



## Safety Data Sheet

Material Name: Ultra Kleen Spray Equipment Solution

SDS ID: 820016

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

Ultra Kleen Spray Equipment Solution

**Product Code**

5110, 5111, 5112, 5113, 6827

**Synonyms**

None

**Product Use**

For cleaning coating equipment (e.g. spray guns); lacquer thinner. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

**Restrictions on Use**

THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA

**MANUFACTURER**

Safety-Kleen Systems, Inc.  
42 Longwater Drive  
Norwell, MA 02061-9149  
U.S.A.

**SUPPLIER**

Safety-Kleen Canada, Inc.  
25 Regan Road  
Brampton, Ontario, L1A 1B2  
Canada

[www.safety-kleen.com](http://www.safety-kleen.com)

Phone: 1-800-669-5740

Emergency Phone #: 1-800-468-1760

**Issue Date**

January 23, 2020

**Supersedes Issue Date**

June 10, 2019

**Original Issue Date**

January 26, 2012

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR)(SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200.**

Flammable Liquids - Category 2

Aspiration Hazard - Category 1

Acute Toxicity - Oral - Category 4

Acute Toxicity - Dermal - Category 4

Acute Toxicity - Inhalation - Dust/Mist - Category 3

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 1

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1B

Reproductive Toxicity - Category 1A Reproductive

Toxicity - Effects on or via Lactation

Specific target organ toxicity - Single exposure - Category 1, Category 2, Category 3

Specific target organ toxicity - Repeated exposure - Category 1, Category 2

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### GHS Label Elements

#### Symbol(s)



#### Signal Word

Danger

#### Hazard Statement(s)

Highly flammable liquid and vapor.

Toxic if inhaled.

Harmful if swallowed and in contact with skin.

Causes severe skin burns and eye damage.

May cause genetic defects, cancer, and harm to breast-fed children..

May damage fertility or the unborn child.

Causes damage central nervous system, nervous system, kidneys, respiratory system, body, and eyes.

May cause damage to liver, respiratory irritation, and drowsiness and dizziness.

Causes damage central nervous system, kidneys, nervous system, respiratory system, liver, and eyes through prolonged or repeated exposure.

May cause damage to blood and the spleen through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

#### Precautionary Statement(s)

##### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor or mist. Use only outdoors or in a well-ventilated area. Do not eat, drink, or smoke when using this product. Avoid contact during pregnancy/while nursing. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

##### Response

In case of fire: Use carbon dioxide, alcohol resistant foam, regular dry chemical, water spray, and water fog for extinction. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

##### Storage

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

##### Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

##### Statement of Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown acute toxicity.

##### Other Hazards

None known.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS           | Component Name                                                      | Percent |
|---------------|---------------------------------------------------------------------|---------|
| 108-88-3      | Toluene                                                             | 0-65    |
| 67-64-1       | Acetone                                                             | 0-55    |
| *Mixture      | Acetate                                                             | 0-40    |
| **Mixture     | Alcohols                                                            | 0-20    |
| 64741-42-0    | Naphtha (petroleum), full-range straight-run (C5-C8)                | 0-20    |
| 63231-51-6    | Hydrocarbons, aromatic                                              | 0-15    |
| ***Mixture    | Ketones                                                             | 0-55    |
| 1330-20-7     | Xylenes (o-, m-, p- isomers)                                        | 0-25    |
| 64741-89-5    | Distillates (petroleum), solvent-refined light paraffinic (C15-C30) | 0-20    |
| 64742-47-8    | Petroleum distillates, hydrotreated light                           | 0-20    |
| 999-97-3      | Hexamethyldisilazane                                                | 0-20    |
| 100-41-4      | Benzene, ethyl-                                                     | 0-5     |
| 763-69-9      | Ethyl 3-ethoxypropanoate                                            | 0-1     |
| Not available | C14-C20 High Boiling Aliphatic Hydrocarbons                         | 0-20    |

### Component Related Regulatory Information

\*Mixture of 123-86-4, 110-19-0, 108-21-4, 108-65-6, 141-78-6, 109-60-4

\*\*Mixture of 67-63-0, 64-17-5, 71-36-3, 67-56-1, 71-23-8

\*\*\*Mixture of 78-93-3, 108-10-1

## Section 4 - FIRST AID MEASURES

### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

### Ingestion

IF SWALLOWED: Aspiration hazard. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth.

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### Most Important Symptoms/Effects

#### Acute

Toxic if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes skin burns, eye damage, lung damage (from aspiration), central nervous system damage, nervous system damage, kidney damage, respiratory system damage, systemic toxicity. May cause liver damage, respiratory tract irritation, central nervous system depression.

#### Delayed

Causes central nervous system damage, kidney damage, nervous system damage, respiratory system damage, liver damage, eye damage. May cause cancer, mutagenic effects, reproductive effects, blood damage, spleen damage.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively. Increased sensitivity of the heart to Adrenaline (epinephrine) may be caused by overexposure to product. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Highly flammable liquid and vapor. Product may be sensitive to static discharge, which could result in fire or explosion. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Fire may produce irritating, poisonous and/or corrosive fumes. Runoff may create fire or explosion hazard. Empty product containers may retain product residue and can be dangerous. Containers may rupture or explode.

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide, carbon dioxide, unidentified organic compounds.

### Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Stay away from the ends of tanks. Do not scatter spilled material with high-pressure water streams. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile). Stay upwind and keep out of low areas. Dike for later disposal.

### Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away

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from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal. There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

### Section 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Do not eat, drink, or smoke when using this product. Avoid contact with eyes, skin and clothing, shoes. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

#### Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Empty product containers may retain product residue and can be dangerous.

#### Incompatible Materials

Avoid contact with combustible materials, oxidizing materials, reducing agents, acids, alkalis, metals, halogens, metal salts, amines, bases.

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component Exposure Limits

|                                                              |                                                                                     |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Toluene</b>                                               | <b>108-88-3</b>                                                                     |
| ACGIH:                                                       | 20 ppm TWA                                                                          |
| NIOSH:                                                       | 100 ppm TWA ; 375 mg/m3 TWA; 150 ppm STEL ; 560 mg/m3 STEL; 500 ppm IDLH            |
| OSHA (US):                                                   | 200 ppm TWA; 300 ppm Ceiling                                                        |
| Alberta                                                      | 50 ppm TWA ; 188 mg/m3 TWA<br>Substance may be readily absorbed through intact skin |
| British Columbia, Nova Scotia, Ontario, Prince Edward Island | 20 ppm TWA                                                                          |
| Manitoba                                                     | 20 ppm TWA; Skin - potential for cutaneous absorption                               |
| New Brunswick                                                | 50 ppm TWA ; 188 mg/m3 TWA; Skin - potential for cutaneous absorption               |
| Northwest Territories, Nunavut                               | 50 ppm TWA; 60 ppm STEL; Skin notation                                              |

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|                                                                                                            |                                                                                               |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Quebec                                                                                                     | 50 ppm TWAEV ; 188 mg/m3 TWAEV; Skin designation                                              |
| Saskatchewan                                                                                               | 50 ppm TWA;60 ppm STEL; Potentially harmful after absorption through skin or mucous membranes |
| Yukon                                                                                                      | 100 ppm TWA ; 375 mg/m3 TWA; 150 ppm STEL ; 560 mg/m3 STEL; Skin notation                     |
| <b>Acetone</b>                                                                                             | <b>67-64-1</b>                                                                                |
| ACGIH:                                                                                                     | 250 ppm TWA; 500 ppm STEL                                                                     |
| NIOSH:                                                                                                     | 250 ppm TWA ; 590 mg/m3 TWA; 2500 ppm IDLH (10% LEL )                                         |
| OSHA (US):                                                                                                 | 1000 ppm TWA ; 2400 mg/m3 TWA                                                                 |
| Alberta                                                                                                    | 500 ppm TWA ; 1200 mg/m3 TWA; 750 ppm STEL ; 1800 mg/m3 STEL                                  |
| British Columbia, Nova Scotia, Prince Edward Island                                                        | 250 ppm TWA; 500 ppm STEL                                                                     |
| Manitoba                                                                                                   | 250 ppm TWA                                                                                   |
| New Brunswick                                                                                              | 500 ppm TWA ; 1188 mg/m3 TWA; 750 ppm STEL ; 1782 mg/m3 STEL                                  |
| Northwest Territories, Nunavut, Ontario, Saskatchewan                                                      | 500 ppm TWA; 750 ppm STEL                                                                     |
| Quebec                                                                                                     | 500 ppm TWAEV ; 1190 mg/m3 TWAEV; 1000 ppm STEV ; 2380 mg/m3 STEV                             |
| Yukon                                                                                                      | 1000 ppm TWA ; 2400 mg/m3 TWA; 1250 ppm STEL ; 3000 mg/m3 STEL                                |
| <b>n-Propyl acetate</b>                                                                                    | <b>109-60-4</b>                                                                               |
| ACGIH:                                                                                                     | 200 ppm TWA; 250 ppm STEL                                                                     |
| NIOSH:                                                                                                     | 200 ppm TWA ; 840 mg/m3 TWA; 250 ppm STEL ; 1050 mg/m3 STEL; 1700 ppm IDLH                    |
| OSHA (US):                                                                                                 | 200 ppm TWA ; 840 mg/m3 TWA                                                                   |
| Alberta, New Brunswick                                                                                     | 200 ppm TWA ; 835 mg/m3 TWA<br>250 ppm STEL ; 1040 mg/m3 STEL                                 |
| British Columbia, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Saskatchewan | 200 ppm TWA; 250 ppm STEL                                                                     |
| Manitoba                                                                                                   | 200 ppm TWA                                                                                   |
| Quebec                                                                                                     | 200 ppm TWAEV ; 835 mg/m3 TWAEV<br>250 ppm STEV ; 1040 mg/m3 STEV                             |

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|                                                       |                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------|
| Yukon                                                 | 200 ppm TWA ; 840 mg/m3 TWA<br>250 ppm STEL ; 1050 mg/m3 STEL                        |
| <b>Isobutyl acetate</b>                               | <b>110-19-0</b>                                                                      |
| ACGIH:                                                | 50 ppm TWA; 150 ppm STEL                                                             |
| NIOSH:                                                | 150 ppm TWA ; 700 mg/m3 TWA; 1300 ppm IDLH (10% LEL )                                |
| OSHA (US):                                            | 150 ppm TWA ; 700 mg/m3 TWA                                                          |
| Alberta, New Brunswick, Saskatchewan                  | 150 ppm TWA ; 713 mg/m3 TWA                                                          |
| British Colombia, Ontario                             | 150 ppm TWA                                                                          |
| Manitoba                                              | 50 ppm TWA                                                                           |
| New Brunswick                                         | 150 ppm TWA ; 713 mg/m3 TWA                                                          |
| Nova Scotia, Prince Edward Island                     | 50 ppm TWA; 150 ppm STEL                                                             |
| Nunavut                                               | 150 ppm TWA; 188 ppm STEL                                                            |
| Ontario                                               | 150 ppm TWA                                                                          |
| Quebec                                                | 150 ppm TWAEV ; 713 mg/m3 TWAEV                                                      |
| Yukon                                                 | 150 ppm TWA ; 700 mg/m3 TWA; 187 ppm STEL ; 875 mg/m3 STEL                           |
| <b>n-Butyl acetate</b>                                | <b>123-86-4</b>                                                                      |
| ACGIH:                                                | 50 ppm TWA; 150 ppm STEL                                                             |
| NIOSH:                                                | 150 ppm TWA ; 710 mg/m3 TWA; 200 ppm STEL ; 950 mg/m3 STEL; 1700 ppm IDLH (10% LEL ) |
| OSHA (US):                                            | 150 ppm TWA ; 710 mg/m3 TWA                                                          |
| Alberta, New Brunswick                                | 150 ppm TWA ; 713 mg/m3 TWA; 200 ppm STEL ; 950 mg/m3 STEL                           |
| British Colombia                                      | 20 ppm TWA                                                                           |
| Manitoba                                              | 50 ppm TWA                                                                           |
| Northwest Territories, Nunavut, Ontario, Saskatchewan | 150 ppm TWA; 200 ppm STEL                                                            |
| Nova Scotia, Prince Edward Island                     | 50 ppm TWA; 150 ppm STEL                                                             |
| Quebec                                                | 150 ppm TWAEV ; 713 mg/m3 TWAEV; 200 ppm STEV ; 950 mg/m3 STEV                       |
| Yukon                                                 | 150 ppm TWA ; 710 mg/m3 TWA; 200 ppm STEL ; 950 mg/m3 STEL                           |

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|                                                                                                                  |                                                                    |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Isopropyl acetate</b>                                                                                         | <b>108-21-4</b>                                                    |
| ACGIH:                                                                                                           | 100 ppm TWA; 200 ppm STEL                                          |
| NIOSH:                                                                                                           | 1800 ppm IDLH                                                      |
| OSHA (US):                                                                                                       | 250 ppm TWA ; 950 mg/m3 TWA                                        |
| Alberta                                                                                                          | 100 ppm TWA ; 416 mg/m3 TWA<br>200 ppm STEL ; 832 mg/m3 STEL       |
| British Columbia, Northwest Territories,<br>Nova Scotia, Nunavut, Ontario, Prince<br>Edward Island, Saskatchewan | 100 ppm TWA; 200 ppm STEL                                          |
| Manitoba                                                                                                         | 100 ppm TWA                                                        |
| New Brunswick                                                                                                    | 250 ppm TWA ; 1040 mg/m3 TWA<br>310 ppm STEL ; 1290 mg/m3 STEL     |
| Quebec                                                                                                           | 250 ppm TWAEV ; 1040 mg/m3 TWAEV<br>310 ppm STEV ; 1290 mg/m3 STEV |
| Yukon                                                                                                            | 250 ppm TWA ; 950 mg/m3 TWA<br>310 ppm STEL ; 1185 mg/m3 STEL      |
| <b>Acetate, ethyl</b>                                                                                            | <b>141-78-6</b>                                                    |
| ACGIH:                                                                                                           | 400 ppm TWA                                                        |
| NIOSH:                                                                                                           | 400 ppm TWA ; 1400 mg/m3 TWA ; 2000 ppm IDLH (10% LEL )            |
| Alberta                                                                                                          | 400 ppm TWA ; 1440 mg/m3 TWA                                       |
| British Columbia                                                                                                 | 150 ppm TWA                                                        |
| Manitoba, Nova Scotia, Ontario, Prince<br>Edward Island                                                          | 400 ppm TWA                                                        |
| New Brunswick                                                                                                    | 400 ppm TWA ; 1440 mg/m3 TWA                                       |
| Northwest Territories, Nunavut,<br>Saskatchewan                                                                  | 400 ppm TWA; 500 ppm STEL                                          |
| Quebec                                                                                                           | 400 ppm TWAEV ; 1440 mg/m3 TWAEV                                   |
| Yukon                                                                                                            | 400 ppm TWA ; 1400 mg/m3 TWA<br>400 ppm STEL ; 1400 mg/m3 STEL     |
| OSHA (US):                                                                                                       | 400 ppm TWA ; 1400 mg/m3 TWA                                       |
| <b>n-Propyl alcohol</b>                                                                                          | <b>71-23-8</b>                                                     |
| ACGIH:                                                                                                           | 100 ppm TWA                                                        |



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|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| NIOSH:                                                          | 200 ppm TWA ; 500 mg/m3 TWA; 250 ppm STEL ; 625 mg/m3 STEL<br>Potential for dermal absorption; 800 ppm IDLH |
| OSHA (US):                                                      | 200 ppm TWA ; 500 mg/m3 TWA                                                                                 |
| Alberta                                                         | 200 ppm TWA ; 492 mg/m3 TWA<br>400 ppm STEL ; 984 mg/m3 STEL                                                |
| British Columbia, Nova Scotia, Ontario,<br>Prince Edward Island | 100 ppm TWA                                                                                                 |
| Manitoba                                                        | 100 ppm TWA; Skin - potential for cutaneous absorption                                                      |
| New Brunswick                                                   | 200 ppm TWA ; 492 mg/m3 TWA; 250 ppm STEL ; 614 mg/m3 STEL; Skin -<br>potential for cutaneous absorption    |
| Northwest Territories, Nunavut,<br>Saskatchewan                 | 200 ppm TWA; 400 ppm STEL                                                                                   |
| Quebec                                                          | 200 ppm TWAEV ; 492 mg/m3 TWAEV; 250 ppm STEV ; 614 mg/m3 STEV;<br>Skin designation                         |
| Yukon                                                           | 200 ppm TWA ; 500 mg/m3 TWA; 250 ppm STEL ; 625 mg/m3 STEL; Skin<br>notation                                |
| <b>n-Butyl alcohol</b>                                          | <b>71-36-3</b>                                                                                              |
| ACGIH:                                                          | 20 ppm TWA                                                                                                  |
| NIOSH:                                                          | 50 ppm Ceiling ; 150 mg/m3 Ceiling; Potential for dermal absorption<br>1400 ppm IDLH (10% LEL )             |
| OSHA (US):                                                      | 100 ppm TWA ; 300 mg/m3 TWA                                                                                 |
| Alberta                                                         | 20 ppm TWA ; 60 mg/m3 TWA                                                                                   |
| British Columbia                                                | 15 ppm TWA; 30 ppm Ceiling                                                                                  |
| Manitoba                                                        | 20 ppm TWA; Skin - potential for cutaneous absorption                                                       |
| New Brunswick                                                   | 50 ppm Ceiling ; 152 mg/m3 Ceiling<br>Skin - potential for cutaneous absorption                             |
| Northwest Territories, Nunavut,<br>Saskatchewan                 | 20 ppm TWA; 30 ppm STEL                                                                                     |
| Nova Scotia, Ontario, Prince Edward Island                      | 20 ppm TWA                                                                                                  |
| Quebec                                                          | 50 ppm Ceiling ; 152 mg/m3 Ceiling<br>Skin designation                                                      |
| Yukon                                                           | Skin notation                                                                                               |
|                                                                 |                                                                                                             |

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|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ethyl alcohol</b>                                            | <b>64-17-5</b>                                                                                                                                 |
| ACGIH:                                                          | 1000 ppm STEL                                                                                                                                  |
| NIOSH:                                                          | 1000 ppm TWA ; 1900 mg/m3 TWA ; 3300 ppm IDLH (10% LEL )                                                                                       |
| OSHA (US):                                                      | 1000 ppm TWA ; 1900 mg/m3 TWA                                                                                                                  |
| Alberta, New Brunswick                                          | 1000 ppm TWA ; 1880 mg/m3 TWA                                                                                                                  |
| British Columbia, Nova Scotia, Ontario,<br>Prince Edward Island | 1000 ppm STEL                                                                                                                                  |
| Northwest Territories, Nunavut,<br>Saskatchewan                 | 1000 ppm TWA; 1250 ppm STEL                                                                                                                    |
| Quebec                                                          | 1000 ppm TWAEV ; 1880 mg/m3 TWAEV                                                                                                              |
| Yukon                                                           | 1000 ppm TWA ; 1900 mg/m3 TWA<br>1000 ppm STEL ; 1900 mg/m3 STEL                                                                               |
| <b>Methyl alcohol</b>                                           | <b>67-56-1</b>                                                                                                                                 |
| ACGIH:                                                          | 200 ppm TWA; 250 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route                                |
| NIOSH:                                                          | 200 ppm TWA ; 260 mg/m3 TWA; 250 ppm STEL ; 325 mg/m3 STEL<br>Potential for dermal absorption; 6000 ppm IDLH                                   |
| OSHA (US):                                                      | 200 ppm TWA ; 260 mg/m3 TWA                                                                                                                    |
| Alberta                                                         | 200 ppm TWA ; 262 mg/m3 TWA; 250 ppm STEL ; 328 mg/m3 STEL; Substance may be readily absorbed through intact skin                              |
| British Columbia, Northwest Territories,<br>Nunavut             | 200 ppm TWA; Skin notation ; 250 ppm STEL                                                                                                      |
| Manitoba                                                        | 200 ppm TWA; Skin - potential for cutaneous absorption<br>Skin - potential significant contribution to overall exposure by the cutaneous route |
| New Brunswick                                                   | 200 ppm TWA ; 262 mg/m3 TWA; 250 ppm STEL ; 328 mg/m3 STEL; Skin - potential for cutaneous absorption                                          |
| Nova Scotia                                                     | 200 ppm TWA; 250 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route                                |
| Ontario                                                         | 200 ppm TWA; 250 ppm STEL; Danger of cutaneous absorption                                                                                      |
| Prince Edward Island                                            | 200 ppm TWA; 250 ppm STEL                                                                                                                      |
| Quebec                                                          | 200 ppm TWAEV ; 262 mg/m3 TWAEV; 250 ppm STEV ; 328 mg/m3 STEV;<br>Skin designation                                                            |
| Saskatchewan                                                    | 200 ppm TWA; 250 ppm STEL; Potentially harmful after absorption through skin or mucous membranes                                               |

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|                                                                                                                  |                                                                                         |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Yukon                                                                                                            | 200 ppm TWA ; 260 mg/m3 TWA; 250 ppm STEL ; 310 mg/m3 STEL; Skin notation               |
| <b>Isopropyl alcohol</b>                                                                                         | <b>67-63-0</b>                                                                          |
| ACGIH:                                                                                                           | 200 ppm TWA;                                                                            |
| NIOSH:                                                                                                           | 400 ppm TWA ; 980 mg/m3 TWA; 500 ppm STEL ; 1225 mg/m3 STEL<br>2000 ppm IDLH (10% LEL ) |
| OSHA (US):                                                                                                       | 400 ppm TWA ; 980 mg/m3 TWA                                                             |
| Alberta                                                                                                          | 200 ppm TWA ; 492 mg/m3 TWA<br>400 ppm STEL ; 984 mg/m3 STEL                            |
| British Columbia, Northwest Territories,<br>Nova Scotia, Nunavut, Ontario, Prince<br>Edward Island, Saskatchewan | 200 ppm TWA;400 ppm STEL                                                                |
| Manitoba                                                                                                         | 200 ppm TWA                                                                             |
| New Brunswick                                                                                                    | 400 ppm TWA ; 983 mg/m3 TWA<br>500 ppm STEL ; 1230 mg/m3 STEL                           |
| Quebec                                                                                                           | 400 ppm TWA EV ; 985 mg/m3 TWA EV<br>500 ppm STEV ; 1230 mg/m3 STEV                     |
| Yukon                                                                                                            | 400 ppm TWA ; 980 mg/m3 TWA ; 500 ppm STEL ; 1225 mg/m3 STEL; Skin notation             |
| <b>Methyl ethyl ketone</b>                                                                                       | <b>78-93-3</b>                                                                          |
| ACGIH:                                                                                                           | 200 ppm TWA; 300 ppm STEL                                                               |
| NIOSH:                                                                                                           | 200 ppm TWA ; 590 mg/m3 TWA; 300 ppm STEL ; 885 mg/m3 STEL; 3000 ppm IDLH               |
| OSHA (US):                                                                                                       | 200 ppm TWA ; 590 mg/m3 TWA                                                             |
| Alberta, New Brunswick                                                                                           | 200 ppm TWA ; 590 mg/m3 TWA<br>300 ppm STEL ; 885 mg/m3 STEL                            |
| British Columbia                                                                                                 | 50 ppm TWA; 100 ppm STEL                                                                |
| Manitoba                                                                                                         | 200 ppm TWA                                                                             |
| Northwest Territories, Nova Scotia, Nunavut,<br>Ontario, Prince Edward Island, Saskatchewan                      | 200 ppm TWA; 300 ppm STEL                                                               |
| Quebec                                                                                                           | 50 ppm TWA EV ; 150 mg/m3 TWA EV<br>100 ppm STEV ; 300 mg/m3 STEV                       |
| Yukon                                                                                                            | 200 ppm TWA ; 590 mg/m3 TWA<br>250 ppm STEL ; 740 mg/m3 STEL                            |
|                                                                                                                  |                                                                                         |

# Safety Data Sheet

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|                                                                                                                  |                                                                               |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Hexone</b>                                                                                                    | <b>108-10-1</b>                                                               |
| ACGIH:                                                                                                           | 20 ppm TWA; 75 ppm STEL                                                       |
| NIOSH:                                                                                                           | 50 ppm TWA ; 205 mg/m3 TWA; 75 ppm STEL ; 300 mg/m3 STEL; 500 ppm IDLH        |
| OSHA (US):                                                                                                       | 100 ppm TWA ; 410 mg/m3 TWA                                                   |
| Alberta, New Brunswick                                                                                           | 50 ppm TWA ; 205 mg/m3 TWA<br>75 ppm STEL ; 307 mg/m3 STEL                    |
| British Columbia, Nova Scotia, Ontario,<br>Prince Edward Island                                                  | 20 ppm TWA; 75 ppm STEL                                                       |
| Manitoba                                                                                                         | 20 ppm TWA                                                                    |
| Northwest Territories, Nunavut,<br>Saskatchewan                                                                  | 50 ppm TWA; 75 ppm STEL                                                       |
| Quebec                                                                                                           | 50 ppm TWAEV ; 205 mg/m3 TWAEV<br>75 ppm STEV ; 307 mg/m3 STEV                |
| Yukon                                                                                                            | 100 ppm TWA ; 410 mg/m3 TWA; 125 ppm STEL ; 510 mg/m3 STEL; Skin notation     |
| <b>Xylenes (o-, m-, p- isomers)</b>                                                                              | <b>1330-20-7</b>                                                              |
| ACGIH:                                                                                                           | 100 ppm TWA; 150 ppm STEL                                                     |
| OSHA (US):                                                                                                       | 100 ppm TWA ; 435 mg/m3 TWA                                                   |
| Alberta, New Brunswick                                                                                           | 100 ppm TWA ; 434 mg/m3 TWA; 150 ppm STEL ; 651 mg/m3 STEL                    |
| British Colombia, Northwest Territories,<br>Nova Scotia, Nunavut, Ontario, Prince<br>Edward Island, Saskatchewan | 100 ppm TWA ; 150 ppm STEL                                                    |
| Manitoba                                                                                                         | 100 ppm TWA                                                                   |
| Quebec                                                                                                           | 100 ppm TWAEV ; 434 mg/m3 TWAEV; 150 ppm STEV ; 651 mg/m3 STEV                |
| Yukon                                                                                                            | 100 ppm TWA ; 435 mg/m3 TWA<br>150 ppm STEL ; 650 mg/m3 STEL<br>Skin notation |
| <b>Benzin</b>                                                                                                    | <b>8030-30-6</b>                                                              |
| NIOSH:                                                                                                           | 100 ppm TWA ; 400 mg/m3 TWA; 1000 ppm IDLH (10% LEL )                         |
| OSHA (US):                                                                                                       | 100 ppm TWA ; 400 mg/m3 TWA                                                   |
|                                                                                                                  |                                                                               |

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|                                                                                         |                                                                                       |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Benzene, ethyl-</b>                                                                  | <b>100-41-4</b>                                                                       |
| ACGIH:                                                                                  | 20 ppm TWA                                                                            |
| NIOSH:                                                                                  | 100 ppm TWA ; 435 mg/m3 TWA; 125 ppm STEL ; 545 mg/m3 STEL<br>800 ppm IDLH (10% LEL ) |
| OSHA (US):                                                                              | 100 ppm TWA ; 435 mg/m3 TWA                                                           |
| Alberta, New Brunswick                                                                  | 100 ppm TWA ; 434 mg/m3 TWA<br>125 ppm STEL ; 543 mg/m3 STEL                          |
| British Columbia, Manitoba, Nova Scotia,<br>Ontario, Prince Edward Island, Saskatchewan | 20 ppm TWA                                                                            |
| Northwest Territories, Nunavut                                                          | 100 ppm TWA; 125 ppm STEL                                                             |
| Quebec                                                                                  | 100 ppm TWA EV ; 434 mg/m3 TWA EV<br>125 ppm STEV ; 543 mg/m3 STEV                    |
| Yukon                                                                                   | 100 ppm TWA ; 435 mg/m3 TWA<br>125 ppm STEL ; 545 mg/m3 STEL                          |
| <b>Propylene glycol monomethyl ether<br/>acetate</b>                                    | <b>108-65-6</b>                                                                       |
| British Columbia                                                                        | 50 ppm TWA; 75 ppm STEL                                                               |
| Ontario                                                                                 | 50 ppm TWA ; 270 mg/m3 TWA                                                            |
| <b>Ethyl 3-ethoxypropanoate</b>                                                         | <b>763-69-9</b>                                                                       |
| Ontario                                                                                 | 50 ppm TWA ; 300 mg/m3 TWA                                                            |

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

#### **Toluene (108-88-3)**

0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene ; 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene ; 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background )

#### **Acetone (67-64-1)**

25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific )

#### **Methyl alcohol (67-56-1)**

15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific )

#### **Isopropyl alcohol (67-63-0)**

40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific )

#### **Methyl ethyl ketone (78-93-3)**

2 mg/L Medium: urine Time: end of shift Parameter: MEK (nonspecific )

#### **Hexone (108-10-1)**

1 mg/L Medium: urine Time: end of shift Parameter: MIBK

#### **Xylenes (o-, m-, p- isomers) (1330-20-7)**

1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

#### **Benzene, ethyl- (100-41-4)**

0.15 g/g creatinine Medium: urine Time: end of shift Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific )

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## Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

## Individual Protection Measures, such as Personal Protective Equipment

### Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

### Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance

### Glove Recommendations

Where skin contact is likely, wear gloves impervious to product; use of natural rubber (latex) or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

### Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, and lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                                        |                                   |                          |
|---------------------------------|----------------------------------------|-----------------------------------|--------------------------|
| <b>Appearance</b>               | Clear colorless to pale yellow liquid. | <b>Physical State</b>             | Liquid                   |
| <b>Odor</b>                     | Mild odor                              | <b>Color</b>                      | Not available            |
| <b>Odor Threshold</b>           | Not available                          | <b>pH</b>                         | Not available            |
| <b>Melting Point</b>            | Not available                          | <b>Boiling Point</b>              | 110 °C (230 °F Toluene ) |
| <b>Boiling Point Range</b>      | Not available                          | <b>Freezing point</b>             | Not available            |
| <b>Evaporation Rate</b>         | Not available                          | <b>Flammability (solid, gas)</b>  | Not available            |
| <b>Autoignition Temperature</b> | Not available                          | <b>Flash Point</b>                | 4 °C (39 °F Toluene )    |
| <b>Lower Explosive Limit</b>    | Not available                          | <b>Decomposition temperature</b>  | Not available            |
| <b>Upper Explosive Limit</b>    | Not available                          | <b>Vapor Pressure</b>             | Not available            |
| <b>Vapor Density (air=1)</b>    | Not available                          | <b>Specific Gravity (water=1)</b> | Not available            |

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|                                |                     |                                               |               |
|--------------------------------|---------------------|-----------------------------------------------|---------------|
| <b>Water Solubility</b>        | (Slightly soluble ) | <b>Partition coefficient: n-octanol/water</b> | Not available |
| <b>Viscosity</b>               | Not available       | <b>Solubility (Other)</b>                     | Not available |
| <b>Density</b>                 | Not available       | <b>Molecular Weight</b>                       | Not available |
| <b>OSHA Flammability Class</b> | Flammable           |                                               |               |

### Section 10 - STABILITY AND REACTIVITY

#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable under normal temperatures and pressures.

#### Possibility of Hazardous Reactions

Will not polymerize under normal temperature and pressure conditions.

#### Conditions to Avoid

Avoid heat, sparks or flame and incompatible materials.

#### Incompatible Materials

Avoid contact with combustible materials, oxidizing materials, reducing agents, acids, alkalis, metals, halogens, metal salts, amines, bases.

#### Hazardous decomposition products

Burning may produce carbon monoxide, carbon dioxide, unidentified organic compounds. See also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.

### Section 11 - TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

##### Inhalation

Toxic if inhaled. May cause irritation, nausea, headache, dizziness, drowsiness, disorientation, loss of coordination, central nervous system effects, central nervous system damage, nervous system damage, kidney damage, respiratory system damage, cancer, mutagenic effects, reproductive effects, liver damage, blood damage, spleen damage.

##### Skin Contact

Causes skin burns.

##### Eye Contact

Causes serious eye damage.

##### Ingestion

Aspiration hazard. Harmful if swallowed. May cause irritation, nausea, vomiting, central nervous system depression, central nervous system damage, nervous system damage, kidney damage, systemic toxicity, liver damage, blood damage, spleen damage, lung damage (from aspiration).

#### Acute and Chronic Toxicity

##### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

##### Toluene (108-88-3)

Oral LD50 Rat 2600 mg/kg; Dermal LD50 Rabbit 12000 mg/kg; Inhalation LC50 Rat 12.5 mg/L 4 h

##### Acetone (67-64-1)

Oral LD50 Rat 5800 mg/kg; Dermal LD50 Rabbit >15700 mg/kg; Inhalation LC50 Rat 50100 mg/m3 8 h

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**n-Propyl acetate (109-60-4)**

Oral LD50 Rat 8700 mg/kg; Dermal LD50 Rabbit >17756 mg/kg

**Isobutyl acetate (110-19-0)**

Oral LD50 Rat 15400 mg/kg; Dermal LD50 Rabbit >17400 mg/kg

**n-Butyl acetate (123-86-4)**

Oral LD50 Rat 10768 mg/kg; Dermal LD50 Rabbit >17600 mg/kg; Inhalation LC50 Rat 390 ppm 4 h

**Isopropyl acetate (108-21-4)**

Oral LD50 Rat 3000 mg/kg; Dermal LD50 Rabbit >17436 mg/kg; Inhalation LC50 Rat 50600 mg/m<sup>3</sup> 8 h

**Propylene glycol monomethyl ether acetate (108-65-6)**

Oral LD50 Rat 8532 mg/kg; Dermal LD50 Rabbit >5 g/kg

**Acetate, ethyl (141-78-6)**

Oral LD50 Rat 5620 mg/kg; Dermal LD50 Rabbit >18000 mg/kg; Inhalation LC50 Mouse 1500 ppm 4 h

**n-Propyl alcohol (71-23-8)**

Oral LD50 Rat 1870 mg/kg; Dermal LD50 Rabbit 4049 mg/kg; Inhalation LC50 Rat >13548 ppm 4 h

**n-Butyl alcohol (71-36-3)**

Oral LD50 Rat 700 mg/kg; Dermal LD50 Rabbit 3402 mg/kg; Inhalation LC50 Rat >8000 ppm 4 h

**Ethyl alcohol (64-17-5)**

Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 124.7 mg/L 4 h

**Naphtha, petroleum, full-range straight-run (64741-42-0)**

Oral LD50 Rat >7000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg (no deaths occurred); Inhalation LC50 Rat >5610 mg/m<sup>3</sup> 4 h (no deaths occurred)

**Methyl alcohol (67-56-1)**

Oral LD50 Rat 6200 mg/kg; Inhalation LC50 Rat 22500 ppm 8 h

**Isopropyl alcohol (67-63-0)**

Oral LD50 Rat 1870 mg/kg; Dermal LD50 Rabbit 4059 mg/kg; Inhalation LC50 Rat 72600 mg/m<sup>3</sup> 4 h

**Methyl ethyl ketone (78-93-3)**

Oral LD50 Rat 2483 mg/kg; Dermal LD50 Rabbit 5000 mg/kg; Inhalation LC50 Rat 11700 ppm 4 h

**Hexone (108-10-1)**

Oral LD50 Rat 2080 mg/kg; Dermal LD50 Rabbit 3000 mg/kg; Inhalation LC50 Rat 2000-4000 ppm 4 h

**Xylenes (o-, m-, p- isomers) (1330-20-7)**

Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit >4350 mg/kg; Inhalation LC50 Rat 29.08 mg/L 4 h

**Petroleum distillates, solvent-refined light paraffinic (64741-89-5)**

Oral LD50 Rat >15 g/kg; Dermal LD50 Rabbit >5 g/kg; Inhalation LC50 Rat 2.18 mg/L 4 h

**Petroleum distillates, hydrotreated light (64742-47-8)**

Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg; Inhalation LC50 Rat >5.2 mg/L 4 h

**Benzin (8030-30-6)**

Oral LD50 Rat >5 g/kg

**Hexamethyldisilazane (999-97-3)**

Oral LD50 Rat 813 mg/kg (in corn oil); Dermal LD50 Rabbit 1350 mg/kg; Inhalation LC50 Rat 1516 ppm 6h

**Benzene, ethyl- (100-41-4)**

Oral LD50 Rat 3500 mg/kg; Dermal LD50 Rabbit 15400 mg/kg; Inhalation LC50 Rat 17.4 mg/L 4 h

**Ethyl 3-ethoxypropanoate (763-69-9)**

Oral LD50 Rat 5 g/kg; Dermal LD50 Rabbit >9500 mg/kg; Inhalation LC50 Rat >5.96 mg/L 6 h (no deaths occurred)

## Product Toxicity Data

### Acute Toxicity Estimate

No data available.

### Immediate Effects

Toxic if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes skin burns, eye damage, lung damage (from aspiration), central nervous system damage, nervous system damage, kidney damage, respiratory system damage, systemic toxicity. May cause liver damage, respiratory tract irritation, central nervous system depression.

### Delayed Effects

Causes central nervous system damage, kidney damage, nervous system damage, respiratory system damage, liver damage, ear damage. May cause, cancer, mutagenic effects, reproductive effects, blood damage, spleen damage.



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## Irritation/Corrosivity Data

Causes skin burns and eye damage. May cause respiratory tract irritation.

## Respiratory Sensitization

No information available for the product.

## Dermal Sensitization

No information available for the product.

## Component Carcinogenicity

|                                                  |                                                                                                                                    |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene</b>                                   | <b>108-88-3</b>                                                                                                                    |
| ACGIH:                                           | A4 - Not Classifiable as a Human Carcinogen                                                                                        |
| IARC:                                            | Monograph 71 [1999] ; Monograph 47 [1989] (Group 3 (not classifiable))                                                             |
| <b>Acetone</b>                                   | <b>67-64-1</b>                                                                                                                     |
| ACGIH:                                           | A4 - Not Classifiable as a Human Carcinogen                                                                                        |
| <b>n-Propyl alcohol</b>                          | <b>71-23-8</b>                                                                                                                     |
| ACGIH:                                           | A4 - Not Classifiable as a Human Carcinogen                                                                                        |
| <b>Ethyl alcohol</b>                             | <b>64-17-5</b>                                                                                                                     |
| ACGIH:                                           | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans                                                                  |
| IARC:                                            | Monograph 100E [2012] (in alcoholic beverages ) ; Monograph 96 [2010] (in alcoholic beverages ) (Group 1 (carcinogenic to humans)) |
| DFG:                                             | Category 5 (low carcinogenic potency )                                                                                             |
| OSHA:                                            | Present                                                                                                                            |
| <b>Isopropyl alcohol</b>                         | <b>67-63-0</b>                                                                                                                     |
| ACGIH:                                           | A4 - Not Classifiable as a Human Carcinogen                                                                                        |
| IARC:                                            | Monograph 71 [1999] ; Supplement 7 [1987] ; Monograph 15 [1977] (Group 3 (not classifiable))                                       |
| <b>Hexone</b>                                    | <b>108-10-1</b>                                                                                                                    |
| ACGIH:                                           | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans                                                                  |
| IARC:                                            | Monograph 101 [2013] (Group 2B (possibly carcinogenic to humans))                                                                  |
| OSHA:                                            | Present                                                                                                                            |
| <b>Xylenes (o-, m-, p- isomers)</b>              | <b>1330-20-7</b>                                                                                                                   |
| ACGIH:                                           | A4 - Not Classifiable as a Human Carcinogen                                                                                        |
| IARC:                                            | Monograph 71 [1999] ; Monograph 47 [1989] (Group 3 (not classifiable))                                                             |
| <b>Petroleum distillates, hydrotreated light</b> | <b>64742-47-8</b>                                                                                                                  |

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|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| DFG:                   | Category 3B (could be carcinogenic for man ;isomers in technical mixtures ) |
| <b>Benzene, ethyl-</b> | <b>100-41-4</b>                                                             |
| ACGIH:                 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans           |
| IARC:                  | Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))            |
| DFG:                   | Category 4 (no significant contribution to human cancer )                   |
| OSHA:                  | Present                                                                     |

## Germ Cell Mutagenicity

May cause genetic defects.

## Tumorigenic Data

No data available for this product.

## Reproductive Toxicity

May damage fertility or the unborn child. May cause harm to breast-fed children.

## Specific Target Organ Toxicity - Single Exposure

Central nervous system, kidneys, respiratory system, liver, systemic toxicity, eyes.

## Specific Target Organ Toxicity - Repeated Exposure

Central nervous system, kidneys, nervous system, respiratory system, liver, blood, spleen, eyes.

## Aspiration hazard

This material is an aspiration hazard.

## Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, liver, kidney, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

## Section 12 - ECOLOGICAL INFORMATION

## Ecotoxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

## Component Analysis - Aquatic Toxicity

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toluene</b> | <b>108-88-3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Fish:          | LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through ] (1 day old ); LC50 96 h Pimephales promelas 12.6 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through ]; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static ]; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static ]; LC50 96 h Oryzias latipes 54 mg/L [static ]; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static ]; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static ] |
| Algae:         | EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static ] EPA                                                                                                                                                                                                                                                                                                                                                                                                            |
| Invertebrate:  | EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static ] EPA ; EC50 48 h Daphnia magna 11.5 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Acetone</b> | <b>67-64-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Fish:          | LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static ]; LC50 96 h Lepomis macrochirus 8300 mg/L                                                                                                                                                                                                                                                                                                                                                                                         |

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|                                                  |                                                                                                                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invertebrate:                                    | EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static ] EPA ; EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID                                                                                                                             |
| <b>n-Propyl acetate</b>                          | <b>109-60-4</b>                                                                                                                                                                                                                          |
| Fish:                                            | LC50 96 h Pimephales promelas 56 - 64 mg/L [flow-through ] ; LC50 96 h Pimephales promelas 56 - 64 mg/L [static ]                                                                                                                        |
| <b>n-Butyl acetate</b>                           | <b>123-86-4</b>                                                                                                                                                                                                                          |
| Fish:                                            | LC50 96 h Lepomis macrochirus 100 mg/L [static ] ; LC50 96 h Pimephales promelas 17 - 19 mg/L [flow-through ]                                                                                                                            |
| Algae:                                           | EC50 72 h Desmodesmus subspicatus 674.7 mg/L IUCLID                                                                                                                                                                                      |
| <b>Propylene glycol monomethyl ether acetate</b> | <b>108-65-6</b>                                                                                                                                                                                                                          |
| Fish:                                            | LC50 96 h Pimephales promelas 161 mg/L [static ]                                                                                                                                                                                         |
| Invertebrate:                                    | EC50 48 h Daphnia magna >500 mg/L IUCLID                                                                                                                                                                                                 |
| <b>Acetate, ethyl</b>                            | <b>141-78-6</b>                                                                                                                                                                                                                          |
| Fish:                                            | LC50 96 h Pimephales promelas 220 - 250 mg/L [flow-through ] ; LC50 96 h Oncorhynchus mykiss 484 mg/L [flow-through ] ; LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L [semi-static ]                                                      |
| Invertebrate:                                    | EC50 48 h Daphnia magna 560 mg/L [Static ] EPA                                                                                                                                                                                           |
| <b>n-Propyl alcohol</b>                          | <b>71-23-8</b>                                                                                                                                                                                                                           |
| Fish:                                            | LC50 96 h Pimephales promelas 4480 mg/L [flow-through ]                                                                                                                                                                                  |
| Invertebrate:                                    | EC50 48 h Daphnia magna 3642 mg/L IUCLID ; EC50 48 h Daphnia magna 3339 - 3977 mg/L [Static ] EPA                                                                                                                                        |
| <b>n-Butyl alcohol</b>                           | <b>71-36-3</b>                                                                                                                                                                                                                           |
| Fish:                                            | LC50 96 h Pimephales promelas 1730 - 1910 mg/L [static ] ; LC50 96 h Pimephales promelas 1740 mg/L [flow-through ] ; LC50 96 h Lepomis macrochirus 100000 - 500000 µg/L [static ] ; LC50 96 h Pimephales promelas 1910000 µg/L [static ] |
| Algae:                                           | EC50 96 h Desmodesmus subspicatus >500 mg/L IUCLID ; EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID                                                                                                                                  |
| Invertebrate:                                    | EC50 48 h Daphnia magna 1983 mg/L IUCLID ; EC50 48 h Daphnia magna 1897 - 2072 mg/L [Static ] EPA                                                                                                                                        |
| <b>Ethyl alcohol</b>                             | <b>64-17-5</b>                                                                                                                                                                                                                           |
| Fish:                                            | LC50 96 h Oncorhynchus mykiss 12 - 16 mL/L [static ] ; LC50 96 h Pimephales promelas >100 mg/L [static ] ; LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through ]                                                              |

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|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invertebrate:                                      | LC50 48 h Daphnia magna 9268 - 14221 mg/L IUCLID ; EC50 48 h Daphnia magna 2 mg/L [Static ] EPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Naphtha (petroleum), heavy straight-run</b>     | <b>64741-41-9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Algae:                                             | EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Naphtha, petroleum, full-range straight-run</b> | <b>64741-42-0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Algae:                                             | EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Invertebrate:                                      | LC50 48 h Mysidopsis bahia 2 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Methyl alcohol</b>                              | <b>67-56-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fish:                                              | LC50 96 h Pimephales promelas 28200 mg/L [flow-through ] ; LC50 96 h Pimephales promelas >100 mg/L [static ] ; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through ] ; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static ] ; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through ]                                                                                                                                                                                                                                                       |
| <b>Isopropyl alcohol</b>                           | <b>67-63-0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fish:                                              | LC50 96 h Pimephales promelas 9640 mg/L [flow-through ] ; LC50 96 h Pimephales promelas 11130 mg/L [static ] ; LC50 96 h Lepomis macrochirus >1400000 µg/L                                                                                                                                                                                                                                                                                                                                                                                                      |
| Algae:                                             | EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID ; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Invertebrate:                                      | EC50 48 h Daphnia magna 13299 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Methyl ethyl ketone</b>                         | <b>78-93-3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fish:                                              | LC50 96 h Pimephales promelas 3130 - 3320 mg/L [flow-through ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Invertebrate:                                      | EC50 48 h Daphnia magna >520 mg/L IUCLID ; EC50 48 h Daphnia magna 5091 mg/L IUCLID ; EC50 48 h Daphnia magna 4025 - 6440 mg/L [Static ] EPA                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Hexone</b>                                      | <b>108-10-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Fish:                                              | LC50 96 h Pimephales promelas 496 - 514 mg/L [flow-through ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Algae:                                             | EC50 96 h Pseudokirchneriella subcapitata 400 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Invertebrate:                                      | EC50 48 h Daphnia magna 170 mg/L IUCLID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Xylenes (o-, m-, p- isomers)</b>                | <b>1330-20-7</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fish:                                              | LC50 96 h Pimephales promelas 13.4 mg/L [flow-through ] ; LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static ] ; LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L ; LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through ] ; LC50 96 h Lepomis macrochirus 19 mg/L ; LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static ] ; LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static ] ; LC50 96 h Cyprinus carpio 780 mg/L [semi-static ] ; LC50 96 h Cyprinus carpio >780 mg/L ; LC50 96 h Poecilia reticulata 30.26 - 40.75 mg/L [static ] |

# Safety Data Sheet

**Material Name: Ultra Kleen Spray Equipment Solution**

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|                                                                |                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invertebrate:                                                  | EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus lacustris 0.6 mg/L                                                                                                                                                                                                                                                                 |
| <b>Petroleum distillates, solvent-refined light paraffinic</b> | <b>64741-89-5</b>                                                                                                                                                                                                                                                                                                                     |
| Fish:                                                          | LC50 96 h Oncorhynchus mykiss >5000 mg/L                                                                                                                                                                                                                                                                                              |
| Invertebrate:                                                  | EC50 48 h Daphnia magna >1000 mg/L IUCLID                                                                                                                                                                                                                                                                                             |
| <b>Petroleum distillates, hydrotreated light</b>               | <b>64742-47-8</b>                                                                                                                                                                                                                                                                                                                     |
| Fish:                                                          | LC50 96 h Pimephales promelas 45 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus 2.2 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 2.4 mg/L [static ]                                                                                                                                                                             |
| <b>Benzin</b>                                                  | <b>8030-30-6</b>                                                                                                                                                                                                                                                                                                                      |
| Fish:                                                          | LC50 96 h Lepomis macrochirus 9.2 mg/L [static ]                                                                                                                                                                                                                                                                                      |
| Algae:                                                         | EC50 72 h Pseudokirchneriella subcapitata 4700 mg/L IUCLID                                                                                                                                                                                                                                                                            |
| <b>Hexamethyldisilazane</b>                                    | <b>999-97-3</b>                                                                                                                                                                                                                                                                                                                       |
| Fish:                                                          | LC50 96 h Pimephales promelas 167 mg/L [static ]                                                                                                                                                                                                                                                                                      |
| Invertebrate:                                                  | EC50 48 h Daphnia magna 186 mg/L IUCLID                                                                                                                                                                                                                                                                                               |
| <b>Benzene, ethyl-</b>                                         | <b>100-41-4</b>                                                                                                                                                                                                                                                                                                                       |
| Fish:                                                          | LC50 96 h Oncorhynchus mykiss 11 - 18 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 4.2 mg/L [semi-static ]; LC50 96 h Pimephales promelas 7.55 - 11 mg/L [flow-through ]; LC50 96 h Lepomis macrochirus 32 mg/L [static ]; LC50 96 h Pimephales promelas 9.1 - 15.6 mg/L [static ]; LC50 96 h Poecilia reticulata 9.6 mg/L [static ] |
| Algae:                                                         | EC50 72 h Pseudokirchneriella subcapitata 4.6 mg/L IUCLID ; EC50 96 h Pseudokirchneriella subcapitata >438 mg/L IUCLID ; EC50 72 h Pseudokirchneriella subcapitata 2.6 - 11.3 mg/L [static ] EPA ; EC50 96 h Pseudokirchneriella subcapitata 1.7 - 7.6 mg/L [static ] EPA                                                             |
| Invertebrate:                                                  | EC50 48 h Daphnia magna 1.8 - 2.4 mg/L IUCLID                                                                                                                                                                                                                                                                                         |
| <b>Ethyl 3-ethoxypropanoate</b>                                | <b>763-69-9</b>                                                                                                                                                                                                                                                                                                                       |
| Fish:                                                          | LC50 96 h Pimephales promelas 62 mg/L [static ]                                                                                                                                                                                                                                                                                       |
| Invertebrate:                                                  | EC50 48 h Daphnia magna 970 mg/L IUCLID                                                                                                                                                                                                                                                                                               |

## Invertebrate Toxicity

No additional information is available.

## Persistence and Degradability

No information available for the product.

## Bioaccumulative Potential

No information available for the product.

## Mobility

No information available for the product.

# Safety Data Sheet

Material Name: Ultra Kleen Spray Equipment Solution

SDS ID: 820016

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal. If discarded, this product is considered a RCRA ignitable waste, D001. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

## Section 14 - TRANSPORT INFORMATION

|                                                                                                                                                                                           |                                                                                                                                                                                     |                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>US DOT Information:</b><br><b>Shipping Name:</b> PAINT RELATED MATERIAL<br><b>Hazard Class:</b> 3<br><b>UN/NA #:</b> UN1263<br><b>Packing Group:</b> II<br><b>Required Label(s):</b> 3 | <b>IATA Information:</b><br><b>Shipping Name:</b> PAINT RELATED MATERIAL<br><b>Hazard Class:</b> 3<br><b>UN#:</b> UN1263<br><b>Packing Group:</b> II<br><b>Required Label(s):</b> 3 | <b>TDG Information:</b><br><b>Shipping Name:</b> PAINT RELATED MATERIAL<br><b>Hazard Class:</b> 3<br><b>UN#:</b> UN1263<br><b>Packing Group:</b> II<br><b>Required Label(s):</b> 3 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Additional information

Emergency Response Guide (ERG) Number: 128; North American Emergency Response Guidebook

## Section 15 - REGULATORY INFORMATION

### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

|                                                                                                                                             |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Toluene (108-88-3)</b>                                                                                                                   |                                     |
| SARA 313:                                                                                                                                   | 1 % de minimis concentration        |
| CERCLA:                                                                                                                                     | 1000 lb final RQ ; 454 kg final RQ  |
| <b>Acetone (67-64-1); Isobutyl acetate (110-19-0); n-Butyl acetate (123-86-4) ;Acetate, ethyl (141-78-6); Methyl ethyl ketone (78-93-3)</b> |                                     |
| CERCLA:                                                                                                                                     | 5000 lb final RQ ; 2270 kg final RQ |
| <b>n-Butyl alcohol (71-36-3); Methyl alcohol (67-56-1); Hexone (108-10-1)</b>                                                               |                                     |
| SARA 313:                                                                                                                                   | 1 % de minimis concentration        |
| CERCLA:                                                                                                                                     | 5000 lb final RQ ; 2270 kg final RQ |
| <b>Hexone (108-10-1)</b>                                                                                                                    |                                     |
| SARA 313:                                                                                                                                   | 0.1 % de minimis concentration      |
| CERCLA:                                                                                                                                     | 5000 lb final RQ ; 2270 kg final RQ |

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**Material Name: Ultra Kleen Spray Equipment Solution**

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|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Isopropyl alcohol (67-63-0)</b>              |                                                                                                          |
| SARA 313:                                       | 1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification) |
| <b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b> |                                                                                                          |
| SARA 313:                                       | 1 % de minimis concentration                                                                             |
| CERCLA:                                         | 100 lb final RQ ; 45.4 kg final RQ                                                                       |
| <b>Benzene, ethyl-(100-41-4)</b>                |                                                                                                          |
| SARA 313:                                       | 0.1 % de minimis concentration                                                                           |
| CERCLA:                                         | 1000 lb final RQ ; 454 kg final RQ                                                                       |

Chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| CAS-No.   | Name                        | Percent by Weight |
|-----------|-----------------------------|-------------------|
| 108-88-3  | Toluene                     | 0-65              |
| 71-36-3   | n-Butyl alcohol             | 0-20              |
| 67-56-1   | Methyl alcohol              | 0-20              |
| 108-10-1  | Hexone                      | 0-55              |
| 67-63-1   | Isopropyl alcohol           | 0-20              |
| 1330-20-7 | Xylenes (o-, m-, p-isomers) | 0-25              |
| 100-41-4  | Benzene, ethyl              | 0-5               |

## SARA Section 311/312 (40 CFR 370 Subparts B and C)

**Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No**

## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CA  | MA  | MN  | NJ  | PA  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|
| <b>Toluene (108-88-3); Acetone (67-64-1); n-Propyl acetate(109-60-4);Isobutyl acetate (110-19-0); n-Butyl acetate (123-86-4); Isopropyl acetate (108-21-4); Acetate, ethyl (141-78-6); n-Propyl alcohol (71-23-8); n-Butyl alcohol (71-36-3); Ethyl alcohol (64-17-5); Methyl alcohol (67-56-1); Isopropyl alcohol (67-63-0); Methyl ethyl ketone (78-93-3); Hexone (108-10-1);Xylenes (o-, m-, p- isomers) (1330-20-7); Benzin (8030-30-6); Benzene, Ethyl (100-41-4)</b> | Yes | Yes | Yes | Yes | Yes |
| <b>Petroleum distillates, solvent-refined light paraffinic (64741-89-5)</b>                                                                                                                                                                                                                                                                                                                                                                                                | No  | Yes | No  | No  | No  |
| <b>Hexamethyldisilazane (999-97-3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     | No  | No  | No  | Yes | No  |

THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA

## Canada Regulations

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

# Safety Data Sheet

**Material Name: Ultra Kleen Spray Equipment Solution**

**SDS ID: 820016**

|                                                                                                                                                                                                                                                                                                                                                      |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Toluene (108-88-3); Acetone (67-64-1); n-Propyl acetate (109-60-4); Isobutyl acetate (110-19-0); n-Butyl acetate (123-86-4); Isopropyl acetate (108-21-4); Acetate, ethyl (141-78-6); n-Propyl alcohol (71-23-8); N-Butyl alcohol (71-36-3); Isopropyl alcohol (67-63-0); Methyl alcohol (67-56-1); Methyl ethyl ketone (78-93-3); Hexone (108-10-1) |       |
|                                                                                                                                                                                                                                                                                                                                                      | 1 %   |
| Ethyl alcohol (64-17-5); Benzene, ethyl_ (100-41-4)                                                                                                                                                                                                                                                                                                  |       |
|                                                                                                                                                                                                                                                                                                                                                      | 0.1 % |

## Component Analysis - Inventory

Toluene (108-88-3); Acetone (67-64-1); n-Propyl acetate (109-60-4) Ethyl alcohol (64-17-5); Naphtha (petroleum), heavy straight-run (64741-41-9); Naphtha, petroleum, full-range straight-run (64741-42-0); Methyl alcohol (67-56-1); Isopropyl alcohol (67-63-0); Methyl ethyl ketone (78-93-3); Hexone (108-10-1); Hydrocarbons, aromatic (63231-51-6); Xylenes (o-, m-, p- isomers) (1330-20-7); Petroleum distillates, solvent-refined light paraffinic (64741-89-5); Petroleum distillates, hydrotreated light (64742-47-8); Benzin (8030-30-6); Hexamethyldisilazane (999-97-3); Benzene, ethyl- (100-41-4); Ethyl 3-ethoxypropanoate (763-69-9); Isobutyl acetate (110-19-0); n-Butyl acetate (123-86-4); Isopropyl acetate (108-21-4); Propylene glycol monomethyl ether acetate (108-65-6); Acetate, ethyl (141-78-6); n-Propyl alcohol (71-23-8); n-Butyl alcohol (71-36-3)

|     |     |
|-----|-----|
| US  | CA  |
| Yes | DSL |

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 3 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Summary of Changes

Regulatory review and update. Updates to Sections 1 and 15.

2021/10: Addition to Section 15.

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NDSDL - Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; WHMIS - Workplace Hazardous Materials Information System (Canada).

### Disclaimer:

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.