

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

**Product ID:** #8362

**Product Name:** REED CHAIR TONER

**Revision Date:** Sep 30, 2019 **Date Printed:** Sep 30, 2019

**Version:** 1.0 **Supersedes Date:** N.A.

**Manufacturer's Name:** Repolite Paints, Inc.

**Address:** 473 West 17th Street Holland, MI, US, 49423

**Emergency Phone:** 800-535-5053

**Information Phone Number:** 616-396-1275

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## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Acute aquatic toxicity - Category 3

Acute toxicity Dermal - Category 5

Acute toxicity Inhalation - Category 4

Acute toxicity Oral - Category 4

Aspiration Hazard - Category 1

Carcinogenicity - Category 1B

Flammable Liquids - Category 2

Germ Cell Mutagenicity - Category 1B

Reproductive Toxicity - Category 2

Serious Eye Damage - Category 1

Skin Irritation - Category 2

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Specific Target Organ Toxicity - Single Exposure - Category 1

Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) - Category 3

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Physical

H225 - Highly flammable liquid and vapor

### Hazardous Statements - Health

H313 - May be harmful in contact with skin

H332 - Harmful if inhaled  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H350 - May cause cancer  
H340 - May cause genetic defects.  
H361 - Suspected of damaging fertility or the unborn child  
H318 - Causes serious eye damage  
H315 - Causes skin irritation  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H370 - Causes damage to organs  
H336 - May cause drowsiness or dizziness

#### **Hazardous Statements - Environmental**

H402 - Harmful to aquatic life

#### **Precautionary Statements - General**

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

#### **Precautionary Statements - Prevention**

P273 - Avoid release to the environment.  
P271 - Use only outdoors or in a well-ventilated area.  
P264 - Wash thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
P242 - Use only non-sparking tools.  
P243 - Take action to prevent static discharges.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

#### **Precautionary Statements - Response**

P312 - Call a POISON CENTER/doctor if you feel unwell.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P330 - Rinse mouth.  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 - Do NOT induce vomiting.  
P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P370 + P378 - In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302 + P352 - IF ON SKIN: Wash with plenty of water.

P321 - For specific treatment see section 4.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P314 - Get Medical advice/attention if you feel unwell.

P308 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor.

#### Precautionary Statements - Storage

P405 - Store locked up.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P403 + P405 - Store in a well-ventilated place. Store locked up.

#### Precautionary Statements - Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

**Acute toxicity of less than one percent of the mixture is unknown**

### SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

| CAS          | Chemical Name                             | % By Weight |
|--------------|-------------------------------------------|-------------|
| 0000108-88-3 | TOLUENE                                   | 23% - 38%   |
| 0000123-86-4 | BUTYL ACETATE                             | 8% - 19%    |
| 0000067-64-1 | ACETONE                                   | 7% - 16%    |
| 0000078-83-1 | ISOBUTYL ALCOHOL                          | 5% - 11%    |
| 0000064-17-5 | ETHYL ALCOHOL                             | 5% - 11%    |
| 0000141-78-6 | ETHYL ACETATE                             | 5% - 11%    |
| 0000067-56-1 | METHANOL                                  | 4% - 10%    |
| 0000071-23-8 | PROPYL ALCOHOL                            | 4% - 10%    |
| 0000071-36-3 | N-BUTYL ALCOHOL                           | 1.3% - 3%   |
| 0000067-63-0 | ISOPROPYL ALCOHOL                         | 1.3% - 3%   |
| 0013463-67-7 | TITANIUM DIOXIDE                          | 0.2% - 4%   |
| 0000100-41-4 | ETHYLBENZENE                              | 0.1% - 1.0% |
| 0008052-41-3 | STODDARD SOLVENT                          | 0.0% - 0.2% |
| 0064742-89-8 | ALIPHATIC, LIGHT HYDROCARBON SOLVENT      | Trace       |
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM DISTILLATE        | Trace       |
| 0008032-32-4 | NAPHTHA, VM&P                             | Trace       |
| 0001309-37-1 | FERRIC OXIDE                              | Trace       |
| 0001333-86-4 | CARBON BLACK                              | Trace       |
| 0001330-20-7 | XYLENE                                    | Trace       |
| 0063231-67-4 | SILICA GEL                                | Trace       |
| 0064742-48-9 | NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)   | Trace       |
| 0014808-60-7 | SILICA, CRYSTALLINE                       | Trace       |
| 0001317-34-6 | MANGANESE TRIOXIDE                        | Trace       |
| 0001308-38-9 | CHROMIUM(III) OXIDE (2:3)                 | Trace       |
| 0000110-19-0 | ISO-BUTYL ACETATE                         | Trace       |
| 0061791-12-6 | CREMOPHOR EL                              | Trace       |
| 0000108-65-6 | PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE | Trace       |

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed or unwell : Call a POISON CENTER/doctor

### Skin Contact

Take off immediately contaminated clothing. Rinse skin with water/shower and mild soap for 5 minutes or until product is removed. Store contaminated clothing under water and wash before re-use or discard.

### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

### Ingestion

Rinse mouth. If you feel unwell or are concerned : Get medical advice/attention.

### Most Important Symptoms and Effects, Both Acute and Delayed

No data available.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, foam, or carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

### Unsuitable Extinguishing Media

No data available.

### Specific Hazards in Case of Fire

Vapors are heavier than air and may travel along the ground to ignition sources at locations distant from material handling point.

Vapor accumulations and spray mist may flash or explode if ignited.

Closed containers may rupture due to pressure buildup when exposed to extreme heat.

Dried solids can burn.

### Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

### Recommended Equipment

Positive pressure, full-face piece self-contained breathing apparatus SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

## Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

## Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

## Methods and Materials for Containment and Cleaning up

Absorb spill with inert absorbent.

Dike area to contain spill.

## SECTION 7) HANDLING AND STORAGE

### General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

### Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

## SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

### Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

### Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

A suitable, NIOSH-approved respirator and goggles should be worn when sanding or grinding objects coated with this paint.

| Chemical Name | OSHA TWA (ppm) | OSHA TWA (mg/m3) | OSHA STEL (ppm) | OSHA STEL (mg/m3) | OSHA Tables (Z1, Z2, Z3) | OSHA Carcinogen | OSHA Skin designation | ACGIH TWA (ppm) |
|---------------|----------------|------------------|-----------------|-------------------|--------------------------|-----------------|-----------------------|-----------------|
| ACETONE       | 1000           | 2400             |                 |                   | 1                        |                 |                       | 250             |
| ALIPHATIC,    | 500            | 2000             |                 |                   | 1                        |                 |                       | (L)[N159](L)    |

|                                         |                      |                                                                                  |                        |  |             |  |                    |
|-----------------------------------------|----------------------|----------------------------------------------------------------------------------|------------------------|--|-------------|--|--------------------|
| LIGHT HYDROCARBON SOLVENT               |                      |                                                                                  |                        |  |             |  | [N800]             |
| BUTYL ACETATE                           | 150                  | 710                                                                              |                        |  | 1           |  | 50                 |
| CARBON BLACK                            |                      | 3.5                                                                              |                        |  | 1           |  |                    |
| CHROMIUM(III) OXIDE (2:3)               |                      | 0.5                                                                              |                        |  | 1           |  |                    |
| ETHYL ACETATE                           | 400                  | 1400                                                                             |                        |  | 1           |  | 400                |
| ETHYL ALCOHOL                           | 1000                 | 1900                                                                             |                        |  | 1           |  |                    |
| ETHYLBENZENE                            | 100                  | 435                                                                              |                        |  | 1           |  | 20                 |
| FERRIC OXIDE                            |                      | [10]; [15]; [5];                                                                 |                        |  | 1           |  |                    |
| ISO-BUTYL ACETATE                       | 150                  | 700                                                                              |                        |  | 1           |  | 50                 |
| ISOBUTYL ALCOHOL                        | 100                  | 300                                                                              |                        |  | 1           |  | 50                 |
| ISOPARAFFINIC PETROLEUM DISTILLATE      | 500                  | 2000                                                                             |                        |  | 1           |  | (L)[N159](L)[N800] |
| ISOPROPYL ALCOHOL                       | 400                  | 980                                                                              |                        |  | 1           |  | 200                |
| MANGANESE TRIOXIDE                      |                      | 5 ceiling                                                                        |                        |  | 1           |  |                    |
| METHANOL                                | 200                  | 260                                                                              |                        |  | 1           |  | 200                |
| NAPHTHA, HEAVY HYDROTREATED (PETROLEUM) | 500                  | 2000                                                                             |                        |  | 1           |  | (L)[N159](L)[N800] |
| NAPHTHA, VM&P                           |                      |                                                                                  |                        |  |             |  | (L)                |
| N-BUTYL ALCOHOL                         | 100                  | 300                                                                              |                        |  | 1           |  | 20                 |
| PROPYL ALCOHOL                          | 200                  | 500                                                                              |                        |  | 1           |  | 100                |
| SILICA, CRYSTALLINE                     | a                    | [10 mg/m3 percent SiO2+2 / 250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2]; |                        |  | [1,3]; [3]; |  |                    |
| STODDARD SOLVENT                        | 500                  | 2900                                                                             |                        |  | 1           |  | 100                |
| TITANIUM DIOXIDE                        |                      | 15                                                                               |                        |  | 1           |  |                    |
| TOLUENE                                 | 200 (a)/ 300 ceiling | 0.2                                                                              | 500ppm /10 minutes (a) |  | 1,2         |  | 20                 |
| XYLENE                                  | 100                  | 435                                                                              |                        |  | 1           |  | 100                |

| Chemical Name                | ACGIH TWA (mg/m3)                        | ACGIH STEL (ppm) | ACGIH STEL (mg/m3) | ACGIH Carcinogen                 | ACGIH Notations                  | ACGIH TLV Basis              |
|------------------------------|------------------------------------------|------------------|--------------------|----------------------------------|----------------------------------|------------------------------|
| ACETONE                      |                                          | 500              |                    | A4                               | A4; BEI                          | URT & eye irr; CNS impair    |
| ALIPHATIC, LIGHT HYDROCARBON | [(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)] |                  |                    | [A2[N159]A2[N800]]; [A4[N159]A4] | [A2[N159]A2[N800]]; [A4[N159]A4] | URT irr [N159]URT irr [N800] |

|                                         |                                                 |      |  |                                         |                                         |                                                    |
|-----------------------------------------|-------------------------------------------------|------|--|-----------------------------------------|-----------------------------------------|----------------------------------------------------|
| N SOLVENT                               | [N800]];                                        |      |  | [N800]];                                | [N800]];                                |                                                    |
| BUTYL ACETATE                           |                                                 | 150  |  |                                         |                                         | Eye & URT irr                                      |
| CARBON BLACK                            | 3 (I)                                           |      |  | A3                                      | A3                                      | Bronchitis                                         |
| CHROMIUM(III) OXIDE (2:3)               | 0.003 (I)                                       |      |  | A4                                      | A4; DSEN; RSEN                          | Resp tract irr; asthma                             |
| ETHYL ACETATE                           |                                                 |      |  |                                         |                                         | URT & eye irr                                      |
| ETHYL ALCOHOL                           |                                                 | 1000 |  | A3                                      | A3                                      | URT irr                                            |
| ETHYLBENZENE                            |                                                 |      |  | A3                                      | A3; BEI                                 | URT irr; Kidney dam (nephropathy); Cochlear impair |
| FERRIC OXIDE                            | 5 (R)                                           |      |  | A4                                      | A4                                      | Pneumoconiosis                                     |
| ISO-BUTYL ACETATE                       |                                                 | 150  |  |                                         |                                         | Eye & URT irr                                      |
| ISOBUTYL ALCOHOL                        |                                                 |      |  |                                         |                                         | Skin & eye irr                                     |
| ISOPARAFFINIC PETROLEUM DISTILLATE      | [(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]]; |      |  | [A2[N159]A2[N800]]; [A4[N159]A4[N800]]; | [A2[N159]A2[N800]]; [A4[N159]A4[N800]]; | URT irr [N159]URT irr [N800]                       |
| ISOPROPYL ALCOHOL                       |                                                 | 400  |  | A4                                      | A4; BEI                                 | Eye & URT irr; CNS impair                          |
| MANGANESE TRIOXIDE                      | 0.02 (R), 0.1 (I)                               |      |  |                                         |                                         | CNS impair                                         |
| METHANOL                                |                                                 | 250  |  |                                         | Skin; BEI                               | Headache; eye dam; dizziness; nausea               |
| NAPHTHA, HEAVY HYDROTREATED (PETROLEUM) | [(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]]; |      |  | [A2[N159]A2[N800]]; [A4[N159]A4[N800]]; | [A2[N159]A2[N800]]; [A4[N159]A4[N800]]; | URT irr [N159]URT irr [N800]                       |
| NAPHTHA, VM&P                           | [(L)]; [5 (I)];                                 |      |  | [A2]; [A4];                             | [A2]; [A4];                             | URT irr                                            |
| N-BUTYL ALCOHOL                         |                                                 |      |  |                                         |                                         | Eye & URT irr                                      |
| PROPYL ALCOHOL                          |                                                 |      |  | A4                                      | A4                                      | Eye & URT irr                                      |
| SILICA, CRYSTALLINE                     | 0.025 (R)                                       |      |  | A2                                      | A2                                      | Pulmonary fibrosis; lung cancer                    |
| STODDARD SOLVENT                        | [(L)]; [5 (I)];                                 |      |  | [A2]; [A4];                             | [A2]; [A4];                             | Eye, skin, & kidney dam; nausea; CNS impair        |
| TITANIUM DIOXIDE                        | 10                                              |      |  | A4                                      | A4                                      | LRT irr                                            |
| TOLUENE                                 |                                                 |      |  | A4                                      | A4; BEI                                 | Visual impair; female repro; pregnancy loss        |
| XYLENE                                  |                                                 | 150  |  | A4                                      | A4; BEI                                 | URT & eye irr; CNS impair                          |

(C) - Ceiling limit, (I) - Inhalable fraction, (L) - Exposure by all routes should be carefully controlled to levels as low as possible, (R) - Respirable fraction, A2 - Suspected Human Carcinogen, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, dam - Damage, DSEN - Dermal sensitization, impair - Impairment, irr - Irritation, LRT - Lower respiratory tract, repro - reproductive, resp - respiratory, RSEN - Respiratory sensitization, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                    |                |
|--------------------|----------------|
| Density            | 7.51164 lb/gal |
| % Solids By Weight | 16.68790%      |
| % VOC              | 86.22000%      |
| Density VOC        | 6.47654 lb/gal |
| VOC Regulatory     | 7.43017 lb/gal |
| VOC Regulatory     | 890.35700 g/l  |

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|                       |     |
|-----------------------|-----|
| Appearance            | N/A |
| Odor Threshold        | N/A |
| Odor Description      | N/A |
| pH                    | N/A |
| Water Solubility      | N/A |
| Flammability          | N/A |
| Flash Point Symbol    | N/A |
| Flash Point           | N/A |
| Viscosity             | N/A |
| Lower Explosion Level | N/A |
| Upper Explosion Level | N/A |
| Vapor Pressure        | N/A |
| Vapor Density         | N/A |
| Freezing Point        | N/A |
| Melting Point         | N/A |
| Low Boiling Point     | N/A |
| High Boiling Point    | N/A |
| Auto Ignition Temp    | N/A |
| Decomposition Pt      | N/A |
| Evaporation Rate      | N/A |
| Coefficient Water/Oil | N/A |

## SECTION 10) STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to Avoid

Excessive heat.

### Hazardous Reactions/Polymerization

No data available.

### Incompatible Materials

Strong oxidizers.

### Hazardous Decomposition Products

May produce fumes when heated to decomposition.

Fumes may contain carbon monoxide and carbon dioxide.

## SECTION 11) TOXICOLOGICAL INFORMATION



## Likely route of exposure

Ingestion, Inhalation, Skin absorption

## Skin Corrosion/Irritation

Causes skin irritation

0000064-17-5 ETHYL ALCOHOL

Contact can irritate the skin. Prolonged or repeated exposure can cause drying and cracking of the skin with peeling, redness and itching.

0000067-63-0 ISOPROPYL ALCOHOL

Contact can irritate and burn the skin. Prolonged or repeated contact can cause a skin rash, itching, dryness and redness.

0000067-64-1 ACETONE

Can cause skin irritation.

0000071-36-3 N-BUTYL ALCOHOL

Can irritate and burn the skin.

0000108-88-3 TOLUENE

Contact can irritate the skin.

0000123-86-4 BUTYL ACETATE

May cause effects on the central nervous system.

0000141-78-6 ETHYL ACETATE

Exposure to high levels can cause dizziness and lightheadedness.

## Serious Eye Damage/Irritation

Causes serious eye damage

0000067-56-1 METHANOL

Can irritate the eyes and can cause blurred vision and blindness.

0000067-63-0 ISOPROPYL ALCOHOL

Liquid irritates eyes and may cause injury.

0000067-64-1 ACETONE

Exposure can irritate the eyes.

0000071-23-8 PROPYL ALCOHOL

Highly irritating.

0000071-36-3 N-BUTYL ALCOHOL

Can irritate and burn the eyes.

0000078-83-1 ISOBUTYL ALCOHOL

Contact with eyes is extremely irritating and may cause burns.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Can irritate the eyes.

0000108-88-3 TOLUENE

Contact can irritate the eyes.

0000123-86-4 BUTYL ACETATE

Can severely irritate and burn the skin.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The vapour is mildly irritating to the eyes.

0064742-48-9 NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)

Vapor is a mild eye irritant.

## Respiratory/Skin Sensitization

0000067-56-1 METHANOL

Prolonged or repeated contact can cause a skin rash, dryness, redness and cracking of the skin.

0000067-64-1 ACETONE

Can irritate the nose and throat causing coughing and wheezing.

0000071-36-3 N-BUTYL ALCOHOL

Can irritate the nose, throat and lungs. May cause dryness or cracking.

0000078-83-1 ISOBUTYL ALCOHOL

Can irritate the skin causing a rash. Breathing can irritate the nose, mouth and throat causing coughing and wheezing.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Can irritate the respiratory tract.

0000108-88-3 TOLUENE

Inhaling can irritate the nose and throat.

0000110-19-0 ISO-BUTYL ACETATE

The substance defats the skin, which may cause dryness or cracking.

0000123-86-4 BUTYL ACETATE

Can severely irritate and burn the eyes.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The substance defats the skin, which may cause dryness or cracking.

### Germ Cell Mutagenicity

May cause genetic defects.

### Carcinogenicity

May cause cancer

### Reproductive Toxicity

Suspected of damaging fertility or the unborn child

0000064-17-5 ETHYL ALCOHOL

High concentration may damage the fetus.

0000067-56-1 METHANOL

May be a teratogen in humans since it is a teratogen in animals.

0000123-86-4 BUTYL ACETATE

Can irritate the respiratory tract.

### Specific Target Organ Toxicity - Single Exposure

Causes damage to organs

May cause drowsiness or dizziness

0000064-17-5 ETHYL ALCOHOL

Exposure can cause headache, drowsiness, nausea and vomiting, and unconsciousness. It can also affect concentration and vision.

0000067-56-1 METHANOL

May damage the liver, kidneys and nervous system.

0000067-63-0 ISOPROPYL ALCOHOL

Vapors cause mild irritation of upper respiratory tract; high concentrations may be anesthetic.

0000067-64-1 ACETONE

May affect the kidneys and liver.

0000071-23-8 PROPYL ALCOHOL

The substance may cause effects on the central nervous system. Exposure at high levels could cause unconsciousness.

0000071-36-3 N-BUTYL ALCOHOL

Exposure can cause headache, dizziness, nausea and vomiting. Can damage the liver and kidneys.

0000078-83-1 ISOBUTYL ALCOHOL

Exposure can cause headache, dizziness, drowsiness, confusion and loss of coordination. It may affect the liver.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Exposure at high levels could cause depression of the central nervous system. ( Short-term exposure).

0000108-88-3 TOLUENE

May affect the nervous system causing headache, dizziness and passing out.

0000141-78-6 ETHYL ACETATE

Can affect the liver and kidneys.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

May cause effects on the central nervous system.

### Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

0000064-17-5 ETHYL ALCOHOL

Repeated high exposure may affect the liver and the nervous system. Chronic ingestion of ethanol may cause liver cirrhosis.

0000067-63-0 ISOPROPYL ALCOHOL

Repeated high exposure can cause headache, dizziness, confusion, loss of coordination, unconsciousness and even death.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

The substance defats the skin, which may cause dryness or cracking (Repeated exposure).

0000108-88-3 TOLUENE

Repeated exposure may cause liver, kidney and brain damage.

0000110-19-0 ISO-BUTYL ACETATE

The vapour is mildly irritating to the eyes and respiratory tract. The substance may cause effects on the central nervous system. Exposure far above the OEL could cause lowering of consciousness.

### Aspiration Hazard

May be fatal if swallowed and enters airways

0000078-83-1 ISOBUTYL ALCOHOL

If swallowed, aspiration into the lungs may result in chemical pneumonitis.

### Acute Toxicity

May be harmful in contact with skin

Harmful if inhaled

Harmful if swallowed

0000064-17-5 ETHYL ALCOHOL

Inhalation can irritate the nose, throat and lungs.

0000067-56-1 METHANOL

Inhalation can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath. Can cause nausea, vomiting, diarrhea and abdominal pain. Exposure to high concentrations can cause headache, dizziness, drowsiness, fatigue, loss of consciousness and death. Methanol is readily absorbed by inhalation, ingestion and dermal exposure and is rapidly distributed to tissues according to the distribution of body water.

0000067-63-0 ISOPROPYL ALCOHOL

If ingested causes drunkenness and vomiting. Inhalation can irritate the nose and throat.

LC50 (Rat, Inhalation) = 16,000 ppm/8H Reference : Registry of Toxic Effects of Chemical Substances If ingested causes drunkenness and vomiting. Inhalation can irritate the nose and throat.

LC50 (Rat, Inhalation) = 16,000 ppm/8H Reference : Registry of Toxic Effects of Chemical Substances If ingested causes drunkenness and vomiting. Inhalation can irritate the nose and throat.

0000078-83-1 ISOBUTYL ALCOHOL

If swallowed, aspiration into the lungs may result in chemical pneumonitis.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

If swallowed, can easily enter the airways and could result in aspiration pneumonitis.

If swallowed, can easily enter the airways and could result in aspiration pneumonitis. Inhalation of high concentrations may cause dizziness, anesthesia, unconsciousness.

0064742-48-9 NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)

Inhalation of high concentrations can cause CNS depression; Ingestion can cause aspiration into the lungs.

### Potential Health Effects - Miscellaneous

0000064-17-5 ETHYL ALCOHOL

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound

may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

0000067-56-1 METHANOL

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, kidneys, liver, skin. Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ingestion may cause any of the following: blindness. Eye contact may cause any of the following: conjunctivitis, mild irritation, corneal opacity.

0000067-63-0 ISOPROPYL ALCOHOL

The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

0000067-64-1 ACETONE

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

0000071-36-3 N-BUTYL ALCOHOL

May cause abnormal blood forming function with anemia. Liquid splashes in the eye may result in chemical burns.

0000078-83-1 ISOBUTYL ALCOHOL

Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. May cause irritation of the mucous membranes. May cause abnormal liver function. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: bone marrow, liver. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns.

0000100-41-4 ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. WARNING: This chemical is known to the State of California to cause cancer.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Recurrent overexposure may result in liver and kidney injury.

0000108-88-3 TOLUENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

0000123-86-4 BUTYL ACETATE

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

0000141-78-6 ETHYL ACETATE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver.

0001330-20-7 XYLENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, cardiovascular system, central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. High exposures may produce irregular heart beats. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. Repeated or prolonged skin contact may cause any of the following: irritation, dryness, cracking of the skin.

0001333-86-4 CARBON BLACK

Is an IARC, NTP or OSHA carcinogen. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. The following medical conditions may be aggravated by exposure: asthma, respiratory disease. WARNING: This chemical is known to the State of California to cause cancer.

0013463-67-7 TITANIUM DIOXIDE

Is an IARC, NTP or OSHA carcinogen. In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m<sup>3</sup> respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m<sup>3</sup> level are not relevant to the workplace. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association

was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.'

#### 0014808-60-7 SILICA, CRYSTALLINE

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

#### 0064742-48-9 NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

#### 0064742-89-8 ALIPHATIC, LIGHT HYDROCARBON SOLVENT

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

### Chronic Exposure

#### 0000100-41-4 ETHYLBENZENE

CARCINOGENIC EFFECTS: Ethyl Benzene has been listed by IARC as Group 2B, Possibly Carcinogenic to Humans.

TERATOGENIC EFFECTS: Ethyl Benzene has been Classified as POSSIBLE for humans.

#### 0000108-88-3 TOLUENE

TERATOGENIC EFFECTS: Toluene has been Classified as POSSIBLE for humans.

#### 0001330-20-7 XYLENE

High exposure to Xylenes in some animal studies have been reported to cause health effects on the developing embryo/fetus.

Xylene in high concentrations has caused embryotoxic effects in laboratory animals.

#### 0001333-86-4 CARBON BLACK

CARCINOGENIC EFFECTS: In 1996, the IARC reevaluated Carbon Black as a Group 2B carcinogen. This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence.

Prolonged inhalation of Carbon black can result in lung disease. Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

#### 0014808-60-7 SILICA, CRYSTALLINE

Prolonged inhalation of respirable crystalline silica dust can result in lung disease (i.e. silicosis and/or lung cancer). Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

### Miscellaneous Health Effects

#### 0000071-23-8 PROPYL ALCOHOL

The substance defats the skin, which may cause dryness or cracking.

### Likely Routes of Exposure

#### 0000064-17-5 ETHYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapor or by ingestion.

#### 0000067-63-0 ISOPROPYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapour.

#### 0000067-64-1 ACETONE

Substance can be absorbed into the body by inhalation.

#### 0000071-23-8 PROPYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

#### 0000071-36-3 N-BUTYL ALCOHOL

Can be absorbed into the body by inhalation of its vapour and by ingestion.

#### 0000078-83-1 ISOBUTYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

#### 0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

The substance can be absorbed into the body by inhalation of its aerosol or vapour and by ingestion.

#### 0000108-88-3 TOLUENE

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

0000110-19-0 ISO-BUTYL ACETATE

The substance can be absorbed into the body by inhalation of its vapour.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

0000064-17-5 ETHYL ALCOHOL

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m<sup>3</sup> (4-hour exposure) (1, unconfirmed)

LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)

LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)

LD50 (oral, guinea pig): 5560 mg/kg (37)

0000067-56-1 METHANOL

LC50 (rat): 64000 ppm (4-hour exposure) (14, unconfirmed)

LD50 (oral, rat): 5628 mg/kg (14, unconfirmed)

LD50 (oral, 14-day old rat): 5850 mg/kg (cited as 7.4 mL/kg) (15)

LD50 (oral, young adult rat): 10280 mg/kg (cited as 13.0 mL/kg) (15)

LD50 (oral, monkey): 3000 mg/kg (1/1 animal died) (16) LD50 (dermal, rabbit): 15800 mg/kg (cited as 20 mL/kg) (17 citing unpublished information)

0000067-63-0 ISOPROPYL ALCOHOL

LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)

LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)

LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)

LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

0000067-64-1 ACETONE

LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m<sup>3</sup> (4-hour exposure) (29)

LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m<sup>3</sup> (4-hour exposure) (29)

LD50 (oral, female rat): 5800 mg/kg (24)

LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31)

LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31)

LD50 (oral, mouse): 3000 mg/kg (32, unconfirmed)

LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg) (30)

0000071-23-8 PROPYL ALCOHOL

LC50 (rat): approximately 4000 ppm (4-hour exposure); 2/6 animals died (1)

LD50 (oral, rat): 1870 mg/kg (1)

LD50 (oral, young female rat): 660 mg/kg (3)

LD50 (oral, young male rat): 560 mg/kg (3)

LD50 (oral, rabbit): 2820 mg/kg (2)

LD50 (dermal, rabbit): 4000 mg/kg (cited as 5.04 mL/kg) (1)

0000071-36-3 N-BUTYL ALCOHOL

LC50 (rat): greater than 8000 ppm (4-hour exposure) (14)

LD50 (oral, rat): 2510 mg/kg (15)

LD50 (oral, male rat): 790 mg/kg (16)\*

LD50 (oral, female rat): 2020 mg/kg (16)\* \*(Note: the rats used in this study appear to have been very young (60-100 grams).)

LD50 (oral, hamster): 1200 mg/kg (11, original)

0000100-41-4 ETHYLBENZENE

LC50 (inhalation, rat): 4000 ppm; 4-hour exposure (3)

LD50 (oral, rat): 3.5 g/kg (1,3,5,10)

LD50 (oral, rat): 4.72 g/kg (3,5,7,8)

LD50 (dermal, rabbit): 17.8 g/kg (11)

0000108-88-3 TOLUENE

LC50 (rat): 8800 ppm (4-hour exposure) (2)

LC50 (rat): 6000 ppm (6-hour exposure) (3)

LD50 (oral, rat): 2600 to 7500 mg/kg (3,5,11,17)

LD50 (oral, neonatal rat): less than 870 mg/kg (3)

LD50 (dermal, rabbit): 12,225 mg/kg (reported as 14.1 mL/kg) (1)

0000110-19-0 ISO-BUTYL ACETATE

LC50 (rat): approximately 8000 ppm (4-hour exposure); 4 out of 6 rats died (3)

LD50 (oral, rat): 13400 mg/kg (cited as 15.4 mL/kg) (1)

LD50 (oral, rabbit): 4800 mg/kg (cited as 41 mmol/kg) (4)

LD50 (dermal, rabbit): Greater than 5000 mg/kg (1)

0000123-86-4 BUTYL ACETATE

LC50 (rat): 1802 mg/m3; 4-hour exposure (aerosol)(9) Note: A lower LC50 (aerosol) value of 760 mg/m3 (160 ppm); 4-hour exposure has been reported.(11,27) Extensive research has failed to confirm this value.

LD50 (oral, rat): 10770 mg/kg (12, unconfirmed)  
LD50 (oral, mouse): 7100 mg/kg (5)  
LD50 (oral, rabbit): 7400 mg/kg (cited as 64 millimols/kg) (13)  
LD50 (dermal, rabbit): Greater than 5000 mg/kg (3, unconfirmed)

0000141-78-6 ETHYL ACETATE

LC50 (rat): 19600 ppm (4-hour exposure); cited as 16000 ppm (6-hour exposure) (10)  
LC50 (mouse): 10600 ppm (38100 mg/m3) (4-hour exposure); cited as 44000 mg/m3 (3-hour exposure) (8)

LD50 (oral, rat): 10200 mg/kg (cited as 11.3 mL/kg) (7); 5600 mg/kg (5,13)  
LD50 (oral, mouse): 4100 mg/kg (11)  
LD50 (oral, rabbit): 4900 mg/kg (9)  
LD50 (oral, guinea pig): 5500 mg/kg (11)  
LD50 (dermal, rabbit): Greater than 18000 mg/kg (cited as 20 mL/kg) (7)

0001330-20-7 XYLENE

LC50 (rat): 6350 ppm (4-hour exposure) (unspecified isomers and ethylbenzene) (1)LC50 (rat): 6700 ppm (4-hour exposure) (65% m-xylene, 7.6% o-xylene, 7.8% p-xylene, 19.3% ethylbenzene) (2) ethylbenzene) (1)  
LC50 (rat): 6700 ppm (4-hour exposure) (65% m-xylene, 7.6% o-xylene, 7.8% p-xylene, 19.3% ethylbenzene)(2)

LD50 (oral, rat): 5400 mg/kg (52% m-, 19% o-, 24% p-) (1)LD50 (oral, female mouse): 5251 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)  
LD50 (oral, male mouse): 5627 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)  
LD50 (dermal, rabbit): 12180 mg/kg (m-xylene); greater than 1700 mg/kg (mixed xylenes - undefined composition) (3)  
LD50 (oral, female mouse): 5251 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)  
LD50 (oral, male mouse): 5627 mg/kg (60.2% m-, 9.1% o-, 14.6% p-, 17.0% ethylbenzene) (4)  
LD50 (dermal, rabbit): 12180 mg/kg (m-xylene); greater than 1700 mg/kg (mixed xylenes - undefined composition) (3)

0008052-41-3 STODDARD SOLVENT

LC50 (rat): greater than 5500 mg/m3 (880 ppm) (whole body exposure for 4 hours) (1)  
LC50 (rat): greater than 8200 mg/m3 (1300 ppm) (2)  
LD50 (oral, rat): greater than 5 g/kg (1)  
LD50 (dermal, rabbit): greater than 3 g/kg (1)

## SECTION 12) ECOLOGICAL INFORMATION

### Bio-accumulative Potential

0000064-17-5 ETHYL ALCOHOL

Substance has a low potential for bioaccumulation (log Kow3),

0000067-63-0 ISOPROPYL ALCOHOL

Substance is not expected to bioaccumulate.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Substance has a low potential for bioaccumulation, Log Kow < 1.

Substance has a low potential for bioaccumulation, Log Kow = 1.2.

0000110-19-0 ISO-BUTYL ACETATE

No potential for bioaccumulation.

### Persistence and Degradability

0000064-17-5 ETHYL ALCOHOL

Readily biodegradable. Half-life in air = 38 h

0000067-56-1 METHANOL

72% aerobic biodegradability.

Readily biodegradable.

0000067-63-0 ISOPROPYL ALCOHOL

Readily biodegradable

0000067-64-1 ACETONE

91% readily biodegradable, Method: OECD Test Guideline 301B

Readily biodegradable.

0000071-23-8 PROPYL ALCOHOL

Readily Biodegradable

0000071-36-3 N-BUTYL ALCOHOL

Readily biodegradable.

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Readily biodegradable.

0000110-19-0 ISO-BUTYL ACETATE

Readily biodegradable.

0000123-86-4 BUTYL ACETATE

Readily biodegradable

0001330-20-7 XYLENE

50% of applied radiolabelled o-xylene was mineralised in 23 days, and 50% p-xylene was mineralised in 13 days.

0001333-86-4 CARBON BLACK

Carbon Black's insolubility in water results in it not being biodegradable in any medium or by biota. It is considered persistent in the natural environment.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

### Mobility in Soil

0000067-56-1 METHANOL

Will not adsorb on soil.

0000067-64-1 ACETONE

The substance is not PBT / vPvB

The substance is not PBT / vPvB.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Floats on water. Contains volatile constituents. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater.

### Toxicity

Harmful to aquatic life

0000064-17-5 ETHYL ALCOHOL

S gairdneri: 13.0g/l (96hr LC50) Nauplii : 858 g/l (48hr EC50) Ceriodaphnia dubia : 9.6mg/l (10 day NOEC) Freshwater Fish 250mg/l (NOEC) Reference: REACH registration Dossier.

0000123-86-4 BUTYL ACETATE

Readily biodegradable

### Other adverse effects

No data available.

### Results of the PBT and vPvB assessment

0000067-56-1 METHANOL

The substance is not PBT / vPvB

0000067-63-0 ISOPROPYL ALCOHOL

Substance is readily biodegradable and therefore not considered to be persistent. It is not expected to bioaccumulate as it has a Log Kow < 4.5 and aquatic acute toxicity greatly exceeds the screening criteria of EC50 < 0.1 mg/l.

0000071-23-8 PROPYL ALCOHOL

The substance is not PBT / vPvB.

0000071-36-3 N-BUTYL ALCOHOL

The substance is not PBT/vPvB

0000108-65-6 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

The substance is not PBT / vPvB.

0000123-86-4 BUTYL ACETATE



The substance is not PBT / vPvB  
0000141-78-6 ETHYL ACETATE  
The substance is not PBT / vPvB  
0064742-48-9 NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)  
The substance is not PBT / vPvB.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

### U.S. DOT Information

Proper Shipping Name: PAINT  
Identification Number : UN/NA 1263  
Hazard Class:3  
Packing group: II

### IMDG Information

Proper Shipping Name: PAINT  
Identification Number : UN/NA 1263  
Hazard Class:3  
Packing group: II  
Marine Pollutant : No data available

### IATA Information

Proper Shipping Name: PAINT  
Identification Number : UN/NA 1263  
Hazard Class:3  
Packing group: II

## SECTION 15) REGULATORY INFORMATION

### REGULATORY INFORMATION

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List

| CAS          | Chemical Name    | % By Weight | Regulation List                                                                                                                       |
|--------------|------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 0000108-88-3 | TOLUENE          | 23% - 38%   | SARA313,<br>Canada_NPRI,DSL,HAPS,SARA312,<br>WI_NR438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS |
| 0000123-86-4 | BUTYL ACETATE    | 8% - 19%    | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                  |
| 0000067-64-1 | ACETONE          | 7% - 16%    | DSL,SARA312,WI_NR438 -<br>WI_NR438 - AIR CONTAMINANT<br>EMISSION INVENTORY<br>REPORTING REQUIREMENTS                                  |
| 0000078-83-1 | ISOBUTYL ALCOHOL | 5% - 11%    | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION                                                         |

|              |                                         |             |                                                                                                                                        |
|--------------|-----------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
|              |                                         |             | INVENTORY REPORTING REQUIREMENTS                                                                                                       |
| 0000064-17-5 | ETHYL ALCOHOL                           | 5% - 11%    | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0000141-78-6 | ETHYL ACETATE                           | 5% - 11%    | Canada_NPRI,DSL,SARA312,WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS                              |
| 0000067-56-1 | METHANOL                                | 4% - 10%    | SARA313, Canada_NPRI,DSL,HAPS,SARA312, WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS               |
| 0000071-23-8 | PROPYL ALCOHOL                          | 4% - 10%    | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0000071-36-3 | N-BUTYL ALCOHOL                         | 1.3% - 3%   | SARA313, Canada_NPRI,DSL,SARA312,WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS                     |
| 0000067-63-0 | ISOPROPYL ALCOHOL                       | 1.3% - 3%   | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0013463-67-7 | TITANIUM DIOXIDE                        | 0.2% - 4%   | DSL,SARA312,CA_Carcinogen                                                                                                              |
| 0000100-41-4 | ETHYLBENZENE                            | 0.1% - 1.0% | SARA313, Canada_NPRI,DSL,HAPS,SARA312, CA_Carcinogen,WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS |
| 0008052-41-3 | STODDARD SOLVENT                        | 0.0% - 0.2% | Canada_NPRI,DSL,SARA312,WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS                              |
| 0064742-89-8 | ALIPHATIC, LIGHT HYDROCARBON SOLVENT    | Trace       | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM DISTILLATE      | Trace       | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0008032-32-4 | NAPHTHA, VM&P                           | Trace       | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0001309-37-1 | FERRIC OXIDE                            | Trace       | DSL,SARA312                                                                                                                            |
| 0001333-86-4 | CARBON BLACK                            | Trace       | DSL,SARA312,CA_Carcinogen,WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS                            |
| 0001330-20-7 | XYLENE                                  | Trace       | SARA313, Canada_NPRI,DSL,HAPS,SARA312, WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS               |
| 0063231-67-4 | SILICA GEL                              | Trace       | DSL,SARA312                                                                                                                            |
| 0064742-48-9 | NAPHTHA, HEAVY HYDROTREATED (PETROLEUM) | Trace       | Canada_NPRI,DSL,SARA312                                                                                                                |
| 0014808-60-7 | SILICA, CRYSTALLINE                     | Trace       | DSL,SARA312,CA_Carcinogen                                                                                                              |
| 0001317-34-6 | MANGANESE TRIOXIDE                      | Trace       | Canada_NPRI,DSL,HAPS,SARA312, WI_N R438 - WI_N R438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS                        |
| 0001308-38-9 | CHROMIUM(III) OXIDE (2:3)               | Trace       | SARA313, Canada_NPRI,DSL,HAPS,SARA312, WI_N R438 - WI_N R438 - AIR                                                                     |

|              |                                              |       |                                                                                                                      |
|--------------|----------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|
|              |                                              |       | CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                          |
| 0000110-19-0 | ISO-BUTYL ACETATE                            | Trace | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS |
| 0061791-12-6 | CREMOPHOR EL                                 | Trace | DSL,SARA312                                                                                                          |
| 0000108-65-6 | PROPYLENE GLYCOL<br>MONOMETHYL ETHER ACETATE | Trace | Canada_NPRI,DSL,SARA312                                                                                              |

The information in this Section does not list components that might have relevant SARA312 regulatory values, if they are present at less than 25%. Please contact manufacturer for more information.

SECTION 16) OTHER INFORMATION

General

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94- 469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS

|                     |       |
|---------------------|-------|
| Health              | 1 / 2 |
| FLAMMABILITY        | 3     |
| Physical Hazard     | 0     |
| Personal Protection | X     |

( \*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

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