

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

**Product ID:** #9112

**Product Name:** ALT. #4475 CHARCOAL

**Revision Date:** Nov 24, 2020 **Date Printed:** Nov 24, 2020

**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 2

Acute toxicity Dermal - Category 4

Acute toxicity Oral - Category 5

Aspiration Hazard - Category 1

Carcinogenicity - Category 1B

Chronic aquatic toxicity - Category 2

Flammable Liquids - Category 2

Flammables solids - Category 2

Germ Cell Mutagenicity - Category 1B

Reproductive Toxicity - Category 1

Serious Eye Damage - Category 1

Skin Irritation - Category 2

Specific Target Organ Toxicity - Repeated Exposure - Category 1

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

Specific Target Organ Toxicity -Single Exposure (Respiratory Tract Irritation) - Category 3

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Physical

H225 - Highly flammable liquid and vapor

H228 - Flammable solid

### **Hazardous Statements - Health**

- H312 - Harmful in contact with skin
- H303 - May be harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H350 - May cause cancer
- H340 - May cause genetic defects.
- H360 - May damage fertility or the unborn child
- H318 - Causes serious eye damage
- H315 - Causes skin irritation
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H336 - May cause drowsiness or dizziness
- H335 - May cause respiratory irritation

### **Hazardous Statements - Environmental**

- H411 - Toxic to aquatic life with long lasting effects

### **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.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- 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.
- P264 - Wash thoroughly after handling.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.

### **Precautionary Statements - Response**

- P302 + P352 - IF ON SKIN: Wash with plenty of water.
- P312 - Call a POISON CENTER/doctor if you feel unwell.
- P321 - For specific treatment see section 4.
- P362 + P364 - Take off contaminated clothing. And wash it before reuse.
- 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.
- P391 - Collect spillage.
- 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.

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

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

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### 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 32.1% of the mixture is unknown

## SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

| CAS          | Chemical Name                                                          | % By Weight |
|--------------|------------------------------------------------------------------------|-------------|
| 0064742-94-5 | AROMATIC HYDROCARBON MIXTURE >C9                                       | 25% - 42%   |
| PROPRIETARY  | PROPRIETARY MIXTURE OF SUBSTANCES                                      | 17% - 29%   |
| 0000078-83-1 | ISOBUTYL ALCOHOL                                                       | 10% - 23%   |
| proprietary  | alkyd resin                                                            | 6% - 13%    |
| 0013463-67-7 | TITANIUM DIOXIDE                                                       | 2% - 5%     |
| 0000071-36-3 | N-BUTYL ALCOHOL                                                        | 1.6% - 4%   |
| 0000091-20-3 | NAPHTHALENE                                                            | 1.4% - 3%   |
| 0001332-37-2 | YELLOW IRON OXIDE                                                      | 1.3% - 3%   |
| 0008052-41-3 | STODDARD SOLVENT                                                       | 0.2% - 3%   |
| 0001333-86-4 | CARBON BLACK                                                           | 0.1% - 1.9% |
| 0064742-89-8 | ALIPHATIC, LIGHT HYDROCARBON SOLVENT                                   | 0.1% - 1.8% |
| 0000098-82-8 | CUMENE                                                                 | 0.1% - 1.5% |
| 0000872-50-4 | N-METHYL-2-PYRROLIDONE                                                 | 0.1% - 1.5% |
| 0007631-86-9 | SILICA, AMORPHOUS                                                      | 0.0% - 0.8% |
| 0064742-88-7 | MEDIUM MINERAL SPIRITS                                                 | 0.0% - 0.6% |
| 0000110-19-0 | ISO-BUTYL ACETATE                                                      | 0.0% - 0.6% |
| 0001330-20-7 | XYLENE                                                                 | 0.0% - 0.5% |
| 0000100-41-4 | ETHYLBENZENE                                                           | 0.0% - 0.3% |
| 0021645-51-2 | ALUMINUM HYDROXIDE                                                     | 0.0% - 0.3% |
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM DISTILLATE                                     | 0.0% - 0.3% |
| 0068412-53-3 | (C9)Branched alkylphenol, ethoxylate, phosphorate                      | 0.0% - 0.2% |
| 0000123-86-4 | BUTYL ACETATE                                                          | Trace       |
| 0068412-54-4 | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched | 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/m <sup>3</sup> ) | OSHA STEL (ppm) | OSHA STEL (mg/m <sup>3</sup> ) | OSHA Tables (Z1, Z2, Z3) | OSHA Carcinogen | OSHA Skin designation | ACGIH TWA (ppm)    |
|--------------------------------------|----------------|-------------------------------|-----------------|--------------------------------|--------------------------|-----------------|-----------------------|--------------------|
| ALIPHATIC, LIGHT HYDROCARBON SOLVENT | 500            | 2000                          |                 |                                | 1                        |                 |                       | (L)[N159](L)[N800] |
| ALUMINUM HYDROXIDE                   |                |                               |                 |                                |                          |                 |                       |                    |
|                                      |                |                               |                 |                                |                          |                 |                       |                    |

|                                    |        |                         |  |  |     |  |   |                    |
|------------------------------------|--------|-------------------------|--|--|-----|--|---|--------------------|
| AROMATIC HYDROCARBON MIXTURE >C9   | 500    | 2000                    |  |  | 1   |  |   | (L)[N159](L)[N800] |
| BUTYL ACETATE                      | 150    | 710                     |  |  | 1   |  |   | 50                 |
| CARBON BLACK                       |        | 3.5                     |  |  | 1   |  |   |                    |
| CUMENE                             | 50     | 245                     |  |  | 1   |  | 1 | 50                 |
| ETHYLBENZENE                       | 100    | 435                     |  |  | 1   |  |   | 20                 |
| ISO-BUTYL ACETATE                  | 150    | 700                     |  |  | 1   |  |   | 50                 |
| ISOBUTYL ALCOHOL                   | 100    | 300                     |  |  | 1   |  |   | 50                 |
| ISOPARAFFINIC PETROLEUM DISTILLATE | 500    | 2000                    |  |  | 1   |  |   | (L)[N159](L)[N800] |
| MEDIUM MINERAL SPIRITS             |        |                         |  |  |     |  |   | (L)[N159](L)[N800] |
| NAPHTHALENE                        | 10     | 50                      |  |  | 1   |  |   | 10                 |
| N-BUTYL ALCOHOL                    | 100    | 300                     |  |  | 1   |  |   | 20                 |
| SILICA, AMORPHOUS                  | 20 (b) | 80 mg/m3 percent SiO2+2 |  |  | 1,3 |  |   |                    |
| STODDARD SOLVENT                   | 500    | 2900                    |  |  | 1   |  |   | 100                |
| TITANIUM DIOXIDE                   |        | 15                      |  |  | 1   |  |   |                    |
| 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                                    |
|--------------------------------------|-------------------------------------------------|------------------|--------------------|-----------------------------------------|-----------------------------------------|----------------------------------------------------|
| ALIPHATIC, LIGHT HYDROCARBON SOLVENT | [(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]                       |
| ALUMINUM HYDROXIDE                   | 1 (R)                                           |                  |                    | A4                                      | A4                                      | Pneumoconiosis; LRT irr; neurotoxicity             |
| AROMATIC HYDROCARBON MIXTURE >C9     | [(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]                       |
| BUTYL ACETATE                        |                                                 | 150              |                    |                                         |                                         | Eye & URT irr                                      |
| CARBON BLACK                         | 3 (I)                                           |                  |                    | A3                                      | A3                                      | Bronchitis                                         |
| CUMENE                               |                                                 |                  |                    |                                         |                                         | Eye, skin, & URT irr; CNS impair                   |
| ETHYLBENZENE                         |                                                 |                  |                    | A3                                      | A3; BEI                                 | URT irr; Kidney dam (nephropathy); Cochlear impair |
| ISO-BUTYL ACETATE                    |                                                 | 150              |                    |                                         |                                         | Eye & URT irr                                      |
| ISOBUTYL ALCOHOL                     |                                                 |                  |                    |                                         |                                         | Skin & eye irr                                     |
| ISOPARAFFINIC                        | [(L)[N159](L)                                   |                  |                    | [A2[N159]A2                             | [A2[N159]A2                             | URT irr                                            |

|                              |                                                             |     |  |                                                      |                                                      |                                                      |
|------------------------------|-------------------------------------------------------------|-----|--|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| C<br>PETROLEUM<br>DISTILLATE | [N800]]; [5 (I)<br>[N159]5 (I)<br>[N800]];                  |     |  | [N800]]; [A4<br>[N159]A4<br>[N800]];                 | [N800]]; [A4<br>[N159]A4<br>[N800]];                 | [N159]URT irr<br>[N800]                              |
| MEDIUM<br>MINERAL<br>SPIRITS | [(L)[N159](L)<br>[N800]]; [5 (I)<br>[N159]5 (I)<br>[N800]]; |     |  | [A2][N159]A2<br>[N800]]; [A4<br>[N159]A4<br>[N800]]; | [A2][N159]A2<br>[N800]]; [A4<br>[N159]A4<br>[N800]]; | URT irr<br>[N159]URT irr<br>[N800]                   |
| NAPHTHALEN<br>E              |                                                             |     |  | A3                                                   | Skin; A3; BEI                                        | URT irr;<br>cataracts;<br>hemolytic<br>anemia        |
| N-BUTYL<br>ALCOHOL           |                                                             |     |  |                                                      |                                                      | Eye &<br>URT irr                                     |
| SILICA,<br>AMORPHOUS         |                                                             |     |  |                                                      |                                                      |                                                      |
| STODDARD<br>SOLVENT          | [(L)]; [5 (I)];                                             |     |  | [A2]; [A4];                                          | [A2]; [A4];                                          | Eye, skin, &<br>kidney dam;<br>nausea; CNS<br>impair |
| TITANIUM<br>DIOXIDE          | 10                                                          |     |  | A4                                                   | A4                                                   | LRT irr                                              |
| XYLENE                       |                                                             | 150 |  | A4                                                   | A4; BEI                                              | URT & eye irr;<br>CNS imapir                         |

(C) - Ceiling limit, (I) - Inhalable fraction, (R) - Respirable fraction, 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, impair - Impairment, irr - Irritation, LRT - Lower respiratory tract, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                    |                |
|--------------------|----------------|
| Density            | 8.67830 lb/gal |
| % Solids By Weight | 36.65390%      |
| % VOC              | 60.57850%      |
| Density VOC        | 5.25719 lb/gal |
| VOC Regulatory     | 5.25718 lb/gal |
| VOC Regulatory     | 629.96800 g/l  |

## 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.

**Likely route of exposure**

Ingestion, Inhalation, Skin absorption

**Skin Corrosion/Irritation**

Causes skin irritation

0000071-36-3 N-BUTYL ALCOHOL

Can irritate and burn the skin.

0000123-86-4 BUTYL ACETATE

May cause effects on the central nervous system.

0000872-50-4 N-METHYL-2-PYRROLIDONE

Slightly irritating.

**Serious Eye Damage/Irritation**

Causes serious eye damage

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.

0000123-86-4 BUTYL ACETATE

Can severely irritate and burn the skin.

0000872-50-4 N-METHYL-2-PYRROLIDONE

Moderately irritating.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The vapour is mildly irritating to the eyes.

**Respiratory/Skin Sensitization**

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.

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**

May damage fertility or the unborn child

0000123-86-4 BUTYL ACETATE

Can irritate the respiratory tract.

**Specific Target Organ Toxicity - Single Exposure**

May cause drowsiness or dizziness

May cause respiratory irritation

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.

0000872-50-4 N-METHYL-2-PYRROLIDONE

The substance is irritating to the eyes and respiratory tract.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

May cause effects on the central nervous system.

### Specific Target Organ Toxicity - Repeated Exposure

Causes damage to organs through prolonged or repeated exposure.

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.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

### 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.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

If liquid is swallowed, it may get into lungs by aspiration

### Acute Toxicity

Harmful in contact with skin

May be harmful if swallowed

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.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

High concentration of vapors may cause intoxication

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

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.

0000110-19-0 ISO-BUTYL ACETATE

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

0000872-50-4 N-METHYL-2-PYRROLIDONE

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

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

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

### Potential Health Effects - Miscellaneous

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.

0000091-20-3 NAPHTHALENE

Is an IARC, NTP or OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: kidneys, liver. Recurrent overexposure may result in liver and kidney injury. WARNING: This chemical is known to the State of California to cause cancer.

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.

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.

0000872-50-4 N-METHYL-2-PYRROLIDONE

The following medical conditions may be aggravated by exposure: skin disorders. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in laboratory animals have shown effects on any of the following organs/systems: kidneys, liver. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

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.

0001332-37-2 YELLOW IRON OXIDE

Long- term respiratory exposure of iron oxide may result in deposition of particles in the lung (benign siderosis).

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.'

0064742-88-7 MEDIUM MINERAL SPIRITS

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. This substance may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, lungs, reproductive system, skin. 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.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

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

0000098-82-8 CUMENE

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

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.

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.

### Miscellaneous Health Effects

0000872-50-4 N-METHYL-2-PYRROLIDONE

Exposure to very high concentrations could cause lowering of consciousness. Repeated or prolonged contact with skin may cause dermatitis. Animal tests show that this substance possibly causes toxic effects upon human reproduction.

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)

0000078-83-1 ISOBUTYL ALCOHOL

LD50 (oral, rat): 2460 mg/kg.(7)

LD50 (oral, rabbit): 3000 mg/kg (reported as 41 mmol/kg) (8)

LD50 (dermal, rabbit): 3400 mg/kg (reported as 4.24 mL/kg).(7)

0000091-20-3 NAPHTHALENE

LC50: Insufficient data

LD50 (oral, mouse): 533 mg/kg (male); 710 mg/kg (female) (1)

LD50 (oral, rat): 1780 mg/kg (2)

0000098-82-8 CUMENE

LC50 (inhalation, mouse): 10 mg/L; (2000 ppm); 7-hr exposure (1,3)

LC50 (inhalation, rat): 39 mg/L (8000 ppm); 4-hr exposure (1,3,6)

LD50 (oral, rat): Reported as 1.4 g/kg and 2.26 g/kg (1,3,4)

LD50 (skin, rabbit): 10627 mg/kg (4)

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)

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/m<sup>3</sup>; 4-hour exposure (aerosol)(9) Note: A lower LC50 (aerosol) value of 760 mg/m<sup>3</sup> (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)

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)

0001333-86-4 CARBON BLACK

LC50 (rat): 6750 mg/m3 (4-hour exposure); cited as 27000 mg/m3 (27 mg/L) (1-hour exposure) (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)

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

LC50 (Rodent - rat, Inhalation) : >590 mg/m3 (4 hour exposure) Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50 (Rodent - rabbit, Administration onto the skin) : >2 mL/kg ,Toxic effects : Behavioral - somnolence (general depressed activity) Behavioral - changes in motor activity (specific assay) Behavioral - irritability

## SECTION 12) ECOLOGICAL INFORMATION

### Bio-accumulative Potential

0000110-19-0 ISO-BUTYL ACETATE

No potential for bioaccumulation.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Has the potential to bioaccumulate.

### Persistence and Degradability

0000071-36-3 N-BUTYL ALCOHOL

Readily biodegradable.

0000110-19-0 ISO-BUTYL ACETATE

Readily biodegradable.

0000123-86-4 BUTYL ACETATE

Readily biodegradable

0000872-50-4 N-METHYL-2-PYRROLIDONE

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.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Readily biodegradable

### Mobility in Soil

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

Toxic to aquatic life  
Toxic to aquatic life with long lasting effects  
0000123-86-4 BUTYL ACETATE  
Readily biodegradable

### Other adverse effects

No data available.

### Results of the PBT and vPvB assessment

0000071-36-3 N-BUTYL ALCOHOL  
The substance is not PBT/vPvB  
0000123-86-4 BUTYL ACETATE  
The substance is not PBT / vPvB  
0000872-50-4 N-METHYL-2-PYRROLIDONE  
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         |
|--------------|-----------------------------------|-------------|-------------------------|
| 0064742-94-5 | AROMATIC HYDROCARBON MIXTURE >C9  | 25% - 42%   | Canada_NPRI,DSL,SARA312 |
| PROPRIETARY  | PROPRIETARY MIXTURE OF SUBSTANCES | 17% - 29%   | SARA312                 |

|              |                                         |             |                                                                                                                                                                                                                                                                                      |
|--------------|-----------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0000078-83-1 | ISOBUTYL ALCOHOL                        | 10% - 23%   | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                                 |
| proprietary  | alkyd resin                             | 6% - 13%    | SARA312                                                                                                                                                                                                                                                                              |
| 0013463-67-7 | TITANIUM DIOXIDE                        | 2% - 5%     | DSL,SARA312,CA_Carcinogen,CA_<br>Prop65 - California Proposition<br>65,CA_Prop65_Type_Toxicity_Cance<br>r -<br>CA_Proposition65_Type_Toxicity_Ca<br>ncer                                                                                                                             |
| 0000071-36-3 | N-BUTYL ALCOHOL                         | 1.6% - 4%   | SARA313,<br>Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                     |
| 0000091-20-3 | NAPHTHALENE                             | 1.4% - 3%   | SARA313,<br>Canada_NPRI,DSL,HAPS,SARA312,<br>CA_Carcinogen,WI_NR438 -<br>WI_NR438 - AIR CONTAMINANT<br>EMISSION INVENTORY<br>REPORTING<br>REQUIREMENTS,CA_Prop65 -<br>California Proposition<br>65,CA_Prop65_Type_Toxicity_Cance<br>r -<br>CA_Proposition65_Type_Toxicity_Ca<br>ncer |
| 0001332-37-2 | YELLOW IRON OXIDE                       | 1.3% - 3%   | DSL,SARA312                                                                                                                                                                                                                                                                          |
| 0008052-41-3 | STODDARD SOLVENT                        | 0.2% - 3%   | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                                 |
| 0001333-86-4 | CARBON BLACK                            | 0.1% - 1.9% | DSL,SARA312,CA_Carcinogen,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS,CA_Prop65 -<br>California Proposition<br>65,CA_Prop65_Type_Toxicity_Cance<br>r -<br>CA_Proposition65_Type_Toxicity_Ca<br>ncer                                 |
| 0064742-89-8 | ALIPHATIC, LIGHT HYDROCARBON<br>SOLVENT | 0.1% - 1.8% | Canada_NPRI,DSL,SARA312                                                                                                                                                                                                                                                              |
| 0000098-82-8 | CUMENE                                  | 0.1% - 1.5% | SARA313,<br>Canada_NPRI,DSL,HAPS,SARA312,<br>CA_Carcinogen,WI_NR438 -<br>WI_NR438 - AIR CONTAMINANT<br>EMISSION INVENTORY<br>REPORTING<br>REQUIREMENTS,CA_Prop65 -<br>California Proposition<br>65,CA_Prop65_Type_Toxicity_Cance<br>r -<br>CA_Proposition65_Type_Toxicity_Ca<br>ncer |
| 0000872-50-4 | N-METHYL-2-PYRROLIDONE                  | 0.1% - 1.5% | SARA313,<br>Canada_NPRI,DSL,SARA312,CA_Pr<br>op65 - California Proposition<br>65,CA_Prop65_Type_Toxicity_Devel<br>op -<br>CA_Proposition65_Type_Toxicity_De<br>velopmental                                                                                                           |
| 0007631-86-9 | SILICA, AMORPHOUS                       | 0.0% - 0.8% | DSL,SARA312                                                                                                                                                                                                                                                                          |
| 0064742-88-7 | MEDIUM MINERAL SPIRITS                  | 0.0% - 0.6% | Canada_NPRI,DSL,SARA312                                                                                                                                                                                                                                                              |

|              |                                                                               |             |                                                                                                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0000110-19-0 | ISO-BUTYL ACETATE                                                             | 0.0% - 0.6% | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                                 |
| 0001330-20-7 | XYLENE                                                                        | 0.0% - 0.5% | SARA313,<br>Canada_NPRI,DSL,HAPS,SARA312,<br>WI_NR438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                |
| 0000100-41-4 | ETHYLBENZENE                                                                  | 0.0% - 0.3% | SARA313,<br>Canada_NPRI,DSL,HAPS,SARA312,<br>CA_Carcinogen,WI_NR438 -<br>WI_NR438 - AIR CONTAMINANT<br>EMISSION INVENTORY<br>REPORTING<br>REQUIREMENTS,CA_Prop65 -<br>California Proposition<br>65,CA_Prop65_Type_Toxicity_Cance<br>r -<br>CA_Proposition65_Type_Toxicity_Ca<br>ncer |
| 0021645-51-2 | ALUMINUM HYDROXIDE                                                            | 0.0% - 0.3% | DSL,SARA312                                                                                                                                                                                                                                                                          |
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM<br>DISTILLATE                                         | 0.0% - 0.3% | Canada_NPRI,DSL,SARA312                                                                                                                                                                                                                                                              |
| 0068412-53-3 | (C9)Branched alkylphenol,<br>ethoxylate, phosphate                            | 0.0% - 0.2% | Canada_NPRI,DSL,SARA312                                                                                                                                                                                                                                                              |
| 0000123-86-4 | BUTYL ACETATE                                                                 | Trace       | Canada_NPRI,DSL,SARA312,WI_N<br>R438 - WI_NR438 - AIR<br>CONTAMINANT EMISSION<br>INVENTORY REPORTING<br>REQUIREMENTS                                                                                                                                                                 |
| 0068412-54-4 | Poly(oxy-1,2-ethanediyl), alpha-<br>(nonylphenyl)-omega-hydroxy-,<br>branched | Trace       | SARA313,<br>Canada_NPRI,DSL,SARA312                                                                                                                                                                                                                                                  |



**WARNING:** This product can expose you to chemicals including TITANIUM DIOXIDE, which is known to the State of California to cause cancer, and CUMENE, N-METHYL-2-PYRROLIDONE, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 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 / 3 |
| 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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