

# SAFETY DATA SHEET

## Section 1 - Chemical Product and Company Information

**Product Name:** 1559 White Lacquer **Product Code:** 1559

**Trade Name:** Glyptal

**Manufactured by:**

GLYPTAL, INC.  
305 Eastern Ave.  
Chelsea, MA 02150  
Telephone (617) 884-6918

**IN CASE OF EMERGENCY:**

CHEMTREC 1-800-424-9300

**Product Use:** Coatings

**Not recommended for:** Nonindustrial Use

## Section 2 - Hazards Identification

**NFPA Ratings, risk phrases, and suggested WHMIS Hazard Categories:**

### GHS Ratings:

|                               |    |   |
|-------------------------------|----|---|
| Flammable liquid              | 2  | Flash point < 23°C and initial boiling point > 35°C (95°F)  |
| Skin corrosive                | 2  | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation  |
| Eye corrosive                 | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days   |
| Carcinogen                    | 2  | Limited evidence of human or animal carcinogenicity   |
| Reproductive toxin            | 2  | Human or animal evidence possibly with other information  |
| Organ toxin single exposure   | 3  | Transient target organ effects- Narcotic effects- Respiratory tract irritation  |
| Organ toxin repeated exposure | 2  | Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases |
| Aspiration hazard             | 1  | Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity < or = 20.5 mm <sup>2</sup> /s at 40° C.                                       |
| Acute aquatic toxicity        | C3 |   |

### GHS Hazards

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapour                  |
| H302 | Harmful if swallowed                                |
| H304 | May be fatal if swallowed and enters airways        |
| H312 | Harmful in contact with skin                        |
| H315 | Causes skin irritation                              |
| H319 | Causes serious eye irritation                       |
| H332 | Harmful if inhaled                                  |
| H335 | May cause respiratory irritation                    |
| H336 | May cause drowsiness or dizziness                   |
| H351 | Suspected of causing cancer                         |
| H361 | Suspected of damaging fertility or the unborn child |
| H402 | Harmful to aquatic life                             |

### GHS Precautions

|      |  |
|------|--|
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces - No smoking         |
| P233 | Keep container tightly closed  |

|                |   |
|----------------|---|
| P240           | Ground/bond container and receiving equipment   |
| P241           | Use explosion-proof electrical/ventilating/light/.../equipment  |
| P242           | Use only non-sparking tools   |
| P243           | Take precautionary measures against static discharge  |
| P264           | Wash skin thoroughly after handling   |
| P271           | Use only outdoors or in a well-ventilated area  |
| P273           | Avoid release to the environment  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection   |
| P310           | Immediately call a POISON CENTER or doctor/physician  |
| P331           | Do NOT induce vomiting  |
| P362           | Take off contaminated clothing and wash before reuse  |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell   |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.<br>Rinse skin with water/shower                      |
| P304+P312      | IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell   |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing |
| P308+P313      | IF exposed or concerned: Get medical advice/attention   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention   |
| P337+P313      | If eye irritation persists, get medical advice/attention  |
| P370+P378      | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  |
| P403+P233      | Store in a well ventilated place. Keep container tightly closed   |
| P403+P235      | Store in a well ventilated place. Keep cool   |
| P501           | Dispose of contents/container to an approved waste disposal plant   |

**Signal Word: Danger**



### Section 3 - Composition/Information on Ingredients

| Chemical Name            | CAS number | Weight Concentration % |
|--------------------------|------------|------------------------|
| Toluene                  | 108-88-3   | 10.00% - 20.00%        |
| Xylene (mixed isomers)   | 1330-20-7  | 10.00% - 20.00%        |
| Nitrocellulose           | 9004-70-0  | 10.00% - 20.00%        |
| Acetone                  | 67-64-1    | 5.00% - 10.00%         |
| Ethyl-3-ethoxypropionate | 763-69-9   | 6.00%                  |
| Isopropyl Alcohol        | 67-63-0    | 1.00% - 5.00%          |
| n-Butanol                | 71-36-3    | 1.00% - 5.00%          |
| Zinc Oxide               | 1314-13-2  | 1.00%                  |

### Section 4 - First Aid Measures

**INHALATION** - Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room, or physician as further medical treatment may be necessary. Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are

worn, quickly remove them, then flush the eyes with water. If irritation persists, contact a poison control center, emergency room, or physician as further medical treatment may be necessary.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. If symptoms persist, contact a poison control center, emergency room, or physician as further medical treatment may be necessary.

**INGESTION** - If material is ingested, seek immediate medical attention. Do not induce vomiting. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. Contact a poison control center, emergency room, or physician as further medical treatment will be necessary.

## Section 5 - Fire Fighting Measures

**Flash Point:** -20 °C (-4 °F)

**LEL:** 1.00

**UEL:** 13.00

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO<sub>2</sub>), "alcohol" foam, dry chemical

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback. Closed containers may explode or burst when exposed to extreme heat. May produce hazardous decomposition products when exposed to extreme heat.

**HAZARDOUS COMBUSTION PRODUCTS:** See section 10 for a list of hazardous decomposition products for this mixture.

**FIRE FIGHTING:** Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**FIRE FIGHTING EQUIPMENT:** Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled

material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas .

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 50 to 85 °F (10 to 30 °C).

**STORAGE:** Prevent from freezing. Do not store above 95 °F (35 °C).

Store only in original containers.

## Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No.              | OSHA Exposure Limits   | ACGIH Exposure Limits  | Other Exposure Limits |
|--------------------------------------|--|--|-----------------------|
| Toluene<br>108-88-3                  | 100 ppm - TWA (Z-1)<br>150 ppm - STEL (Z-1)<br>200 ppm TWA (Z-2)   | TLV 20 ppm - TWA   | Not Established       |
| Xylene (mixed isomers)<br>1330-20-7  | PEL 100 ppm - TWA<br>PEL 150 ppm - STEL                            | TLV 100 ppm - TWA<br>TLV 150 ppm - STEL                            | Not Established       |
| Nitrocellulose<br>9004-70-0          | Not Established  | Not Established  | Not Established       |
| Acetone<br>67-64-1                   | PEL 1000 ppm - TWA   | TLV 500 ppm - TWA<br>STEL 750 ppm                                  | Not Established       |
| Ethyl-3-ethoxypropionate<br>763-69-9 | Not Established  | Not Established  | Not Established       |
| Isopropyl Alcohol<br>67-63-0         | PEL 400 ppm - TWA<br>VPEL 400 ppm - TWA                            | TLV 200 ppm - TWA<br>TLV 400 ppm - STEL                            | Not Established       |
| n-Butanol<br>71-36-3                 | PEL 100 ppm - TWA<br>VPEL 50 ppm - Ceiling (Skin)                  | TLV 20 ppm - TWA   | Not Established       |
| Zinc Oxide<br>1314-13-2              | PEL 15 mg/m3 TWA (Total Dust)<br>PEL 5 mg/m3 TWA (Respirable Dust) | TLV 10 mg/m3 TWA (Total Dust)<br>PEL 2 mg/m3 TWA (Respirable Dust) | Not Established       |

**ENGINEERING:** Provide general dilution of local exhaust ventilation in volume and pattern to keep concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the workplace. Use explosion-proof equipment and good manufacturing practice.

**VENTILATION:** Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Refer to OSHA standards 1910.94, 1910.107, 1910.108.

## PERSONAL PROTECTIVE EQUIPMENT

### EYES:

Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

### PROTECTIVE GLOVES:

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear. If necessary, wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

### RESPIRATORY PROTECTION:

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. Where ventilation is inadequate, use a NIOSH/MSHA-approved, air-purifying respirator equipped with the appropriate chemical cartridges or positive-pressure, air-supplied respirator. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used.

**CONTAMINATED EQUIPMENT:** Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

|   |  |
|---|--|
| <b>Appearance</b> White Liquid          | <b>Odor</b> Solvent odor                                 |
| <b>Physical State</b> Liquid            | <b>Vapor Density</b> Heavier than air                    |
| <b>Vapor Pressure</b> 28.9 mm Hg @ 68 F | <b>Evaporation Rate</b> Slower than ether                |
| <b>Boiling Range</b> 56 to 165 °C       | <b>Specific Gravity (SG)</b> 1.115                       |
| <b>Lbs VOC/Gallon Solids</b> 14.3       | <b>Lbs VOC/Gallon Less Water and Exempt Solvent</b> 4.67 |

## Section 10 - Stability and Reactivity

### Stability:

STABLE

### Components of this mixture are incompatible with the following materials:

Acids, acid chlorides, acid anhydrides, oxidizing agents, chloroformates.

Strong oxidizing agents, acids, alkali/base/caustic solutions, and amines

Strong oxidizing agents, acids, alkali/base/caustic solutions, and reducing agents

Strong oxidizing agents  
 Strong oxidizing agents, strong acids, strong bases  
 Alkali metals, Aluminum, Halogens, Lead, Strong mineral acids, Strong oxidizing agents

**This mixture is likely to exhibit the following combustion products:**

Carbon Dioxide, Carbon Monoxide  
 Oxides of nitrogen  
 Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

### Component Toxicity

|           |   |
|-----------|---|
| 1330-20-7 | Xylene (mixed isomers)<br>Oral LD50: 4,300 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit)                                |
| 67-64-1   | Acetone<br>Oral LD50: 6 g/kg (Rat) Dermal LD50: 7 g/kg (Guinea Pig) Inhalation LC50: 50 g/m3 (Rat)                      |
| 763-69-9  | Ethyl-3-ethoxypropionate<br>Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 4,080 mg/kg (Rabbit) Inhalation LC50: 998 ppm (Ra |
| 71-36-3   | n-Butanol<br>Oral LD50: 790 mg/kg (Rat) Dermal LD50: 3,400 mg/kg (Rabbit)   |

**Toxicological information:** The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 3 and 15 for details.

### Routes of Entry:

Inhalation      Skin Contact      Eye Contact      Ingestion

### Exposure to this material may affect the following organs:

Blood   Eyes      Kidneys      Liver      Lungs      Central Nervous System      Reproductive System  
 Skin

### Effects of Overexposure

#### 108-88-3

#### Toluene

Signs of symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: metallic taste, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, temporary changes in mood and behavior, muscle weakness, loss of coordination, confusion, irregular heartbeat, coma, and death.

|              |  |
|--------------|--|
| Eye Contact  | May cause mild irritation. Symptoms include stinging, tearing, and redness.  |
| Ingestion    | Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. |
| Inhalation   | Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits. |
| Skin Contact | May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.                              |

**1314-13-2**

Inhalation

**Zinc Oxide**

Inhalation of high levels of zinc oxide may result in tightness of chest, metallix tast, dizziness, fever, chills, headache, nausea, and dry throat. Overexposure may produce symptoms known as metal fume fever or "zinc shakes"; an acute self-limiting condition without recognized complications. Symptoms of metal fume fever include: chills, fever, muscular pain, nausea and vomiting.

**1330-20-7****Xylene (mixed)**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the face and neck, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), tight feeling in the chest, central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, effects on memory, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), coma.

Eye Contact

May cause mild irritation. Symptoms include stinging, tearing, and redness.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.

Skin Contact

Can cause skin irritation. Prolonged and repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of the skin, burns and other skin damage. Additional symptoms of skin contact may include: skin blistering. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

**64742-89-8****VM&P Naphtha**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: sweating, fever, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), lung irritation, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), abdominal pain, frequent or painful urination, confusion, blood abnormalities, (breakage of red blood cells), kidney damage, lung damage, respiratory failure.

Eye Contact

May cause mild irritation. Symptoms include stinging, tearing, and redness.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.

|                |  |
|----------------|--|
| Skin Contact   | May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use .   |
| <b>67-63-0</b> | <b>2-Propanol</b><br>Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), low blood pressure, mild, temporary changes in the liver, effects on heart rate, respiratory depression (slowing of the breathing rate) loss of coordination, confusion, lung edema (fluid buildup in the lung tissue), kidney damage, coma. |
| Eye Contact    | May cause mild irritation. Symptoms include stinging, tearing, and redness.  |
| Ingestion      | Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Exposure causes severe irritation of the gastrointestinal tract.  |
| Inhalation     | Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects . Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.  |
| Skin Contact   | May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use .   |

|                |  |
|----------------|--|
| <b>67-64-1</b> | <b>Acetone</b><br>Signs of symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and other central nervous system effects, high blood sugar, coma . |
| Eye Contact    | May cause mild irritation. Symptoms include stinging, tearing, and redness.  |
| Ingestion      | Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.   |
| Inhalation     | Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects . Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.  |
| Skin Contact   | May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use .   |

**71-36-3** **n-Butanol**



Signs of symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), blurred vision.

|              |   |
|--------------|---|
| Eye Contact  | Can cause severe eye irritation. Symptoms include stinging tearing, and redness, and swelling of eyes. Can injure eye tissue.   |
| Ingestion    | Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.                                |
| Inhalation   | Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.                                |
| Skin Contact | Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, burns, and other skin damage.. Passage of this material into the body through the skin is possible, and may add to toxic effects from breathing or swallowing. |

#### 763-69-9

#### Ethyl-3-ethoxypropionate

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), lack of coordination.

|              |   |
|--------------|---|
| Eye Contact  | Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes.  |
| Ingestion    | Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.                                       |
| Inhalation   | Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. |
| Skin Contact | Can cause skin irritation. Symptoms may include redness or burning of the skin, and other skin damage.  |

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing). See Section 15 for carcinogenicity assessment.

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|
| 108-88-3          | Toluene            | 0% - 20%        |                          |

## Section 12 - Ecological Information

#### Component Ecotoxicity

Toluene

Ecotoxicity

Toxicity to fish - LC50; (Oncorhynchus mykiss (rainbow trout)): 5.5 mg/l;  
Exposure time: 96 h; Test Type: flow-through test  
Toxicity to daphnia and other aquatic invertebrates - LC50 (Ceriodaphnia dubia):  
3.78 mg/l; Exposure time: 48 h; Test Type: Renewal  
Toxicity to daphnia and other aquatic invertebrates (Chronic Toxicity)- NOEC:  
0.74 mg/l; Exposure time: 7 d  
Acute aquatic toxicity (Assessment) - Toxic to aquatic life.  
Chronic aquatic toxicity (Assessment) - Harmful to aquatic life with long lasting effects.

Persistence and Degradability

No data available

Bioaccumulative Potential

Partition coefficient: n-octanol/water - log Pow: 2.73 (20 °C); pH: 7

Mobility in Soil

No data available

Other Adverse Effects

Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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

Xylene (mixed isomers)

Ecotoxicity

No data available

Persistence and Degradability

No data available

Bioaccumulative Potential

No data available

Mobility in Soil

No data available

Other Adverse Effects

Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Acetone

Ecotoxicity  
No data available

Persistence and Degradability  
No data available

Bioaccumulative Potential  
No data available

Mobility in Soil  
No data available

Other Adverse Effects  
Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Ethyl-3-ethoxypropionate

Ecotoxicity  
No data available

Persistence and Degradability  
No data available

Bioaccumulative Potential  
No data available

Mobility in Soil  
No data available

Other Adverse Effects  
Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Isopropyl Alcohol

Ecotoxicity  
No data available

Persistence and Degradability  
No data available

Bioaccumulative Potential  
No data available

Mobility in Soil  
No data available

Other Adverse Effects  
Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Pro-tecton of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

n-Butanol

Ecotoxicity  
No data available

Persistence and Degradability  
No data available

Bioaccumulative Potential  
No data available

Mobility in Soil  
No data available

Other Adverse Effects  
Ozone Depletion Potential - Regulation: 40 CFR Protection of Environment; Part 82 Pro-tecton of Stratospheric Ozone - CAA Section 602 Class I Substances -  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 - Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14 - Transport Information

This material is classified for transport as follows:

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT           | Paint                       | 1263             | II                   | 3                   |

## Section 15 - Regulatory Information

According to the Reg. (EC) No 1272/2008, relating to the classification packaging and labelling of dangerous substances and preparations, the product is labelled as follows:

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

Toluene 108-88-3 10 - 20%

**Carcinogenicity:**

**IARC:** Group 2B: Possibly carcinogenic to humans

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Carcinogenicity:**

**IARC -** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH -** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA -** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP -** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

n-Butanol 71-36-3 1 - 5%

Isopropyl Alcohol 67-63-0 1 - 5%

Ethyl-3-ethoxypropionate 763-69-9 6%

Acetone 67-64-1 5 - 10%

Xylene (mixed isomers) 1330-20-7 10 - 20%

Toluene 108-88-3 10 - 20%

**Commonwealth of Massachusetts "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

n-Butanol 71-36-3 1 - 5%

Isopropyl Alcohol 67-63-0 1 - 5%

Acetone 67-64-1 5 - 10%

Xylene (mixed) 1330-20-7 10 - 20%

Toluene 108-88-3 10 - 20%

**New Jersey Worker and Community Right To Know Hazardous Substance List:** The following substances appear on the New Jersey Right To Know Hazardous Substance List.

n-Butanol 71-36-3 1 - 5%

Isopropyl Alcohol 67-63-0 1 - 5%

Ethyl-3-ethoxypropionate 763-69-9 6%

Acetone 67-64-1 5 - 10%

Xylene (mixed) 1330-20-7 10 - 20%

Toluene 108-88-3 10 - 20%

**Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

n-Butanol 71-36-3 1 - 5%  
Isopropyl Alcohol 67-63-0 1 - 5%  
Ethyl-3-ethoxypropionate 763-69-9 6%  
Acetone 67-64-1 5 - 10%  
Xylene (mixed) 1330-20-7 10 - 20%  
Toluene 108-88-3 10 - 20%

**WHMIS Classification B2 Flammable Liquid / D2A Very Toxic Material**

Xylene (mixed isomers) 1330-20-7 10 - 20%

**Toxic Substances Control Act (TSCA):** All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

108-88-3 Toluene 10 - 20%  
71-36-3 n-Butanol 1.0 - 5%  
1314-13-2 Zinc Oxide 1.0%  
1330-20-7 Xylene (mixed isomers) 10 - 20%

## Section 16 - Other Information

### Hazardous Material Information System (HMIS)

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 0 |
| PERSONAL PROTECTION |   | B |

#### HMIS & NFPA Hazard Rating

##### Legend

\* = Chronic Health Hazard

0 = INSIGNIFICANT

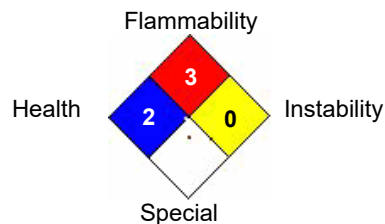
1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

### National Fire Protection Association (NFPA)



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obtained from any other source.

Reviewer Revision

Date Prepared: 9/17/2020