# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** PHENOLPHTHALEIN 1% IN 50% ALCOHOL

**Other means of identification**
**Product No.:** H295

**Recommended use and restriction on use**

**Recommended use:** Not available.
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

**Manufacturer**

| | |
|---|---|
| Company Name: | Avantor Performance Materials, Inc. |
| Address: | 3477 Corporate Parkway, Suite 200<br>Center Valley, PA 18034 |
| Telephone: | |
| | Customer Service: 855-282-6867 |
| Fax: | |
| Contact Person: | Environmental Health & Safety |
| e-mail: | info@avantormaterials.com |

**Emergency telephone number:**
24 Hour Emergency: 908-859-2151

Chemtrec: 800-424-9300

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

| | |
|---|---|
| Flammable liquids | Category 2 |

**Health Hazards**

| | |
|---|---|
| Acute toxicity (Inhalation) | Category 3 |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Germ Cell Mutagenicity | Category 2 |
| Carcinogenicity | Category 1B |
| Toxic to reproduction | Category 2 |
| Specific Target Organ Toxicity - Single Exposure | Category 3 |

**Label Elements**

**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:**
Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause cancer.
Suspected of causing genetic defects.
Suspected of damaging fertility or the unborn child.
Toxic if inhaled.

**Precautionary Statement**

**Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Response:**
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

**Other hazards which do not result in GHS classification:**
None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%)* |
|---|---|---|---|
| ETHANOL | | 64-17-5 | 40 - 70% |
| ACETONE | | 67-64-1 | 15 - 40% |
| PHENOLPHTHALEIN | | 77-09-8 | 1 - 5% |
| ISOPROPYL ALCOHOL | | 67-63-0 | 1 - 5% |
| METHYL ALCOHOL | | 67-56-1 | 1 - 5% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**General information:**
Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

**Ingestion:**
Get medical attention if symptoms occur. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Inhalation:**
Move to fresh air. Get medical attention if symptoms persist. If breathing stops, provide artificial respiration.

**Skin Contact:**
Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation persists after washing.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** Toxic if inhaled. Causes serious eye irritation.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically. Symptoms may be delayed.

## 5. Fire-fighting measures

**General Fire Hazards:** Flammable liquid and vapor. In case of fire and/or explosion do not breathe fumes.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Contact with metals may evolve flammable hydrogen gas. Fire may produce irritating, corrosive and/or toxic gases.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

**Notification Procedures:** Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling:**

Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. See Section 8 of the MSDS for Personal Protective Equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:**

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

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|---|---|---|---|
| ETHANOL | STEL | 1,000 ppm | US. ACGIH Threshold Limit Values (2011) |
| | REL | 1,000 ppm 1,900 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 1,000 ppm 1,900 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 1,000 ppm 1,900 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| ACETONE | TWA | 500 ppm | US. ACGIH Threshold Limit Values (2011) |
| | STEL | 750 ppm | US. ACGIH Threshold Limit Values (2011) |
| | STEL | 500 ppm | US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (2011) |
| | REL | 250 ppm 590 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 1,000 ppm 2,400 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 750 ppm 1,800 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 1,000 ppm 2,400 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | TWA | 250 ppm | US. ACGIH Notice of Intended Changes (NIC) to Threshold Limit Values (02 2014) |
| METHYL ALCOHOL | TWA | 200 ppm | US. ACGIH Threshold Limit Values (2011) |
| | STEL | 250 ppm | US. ACGIH Threshold Limit Values (2011) |
| | STEL | 250 ppm 325 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | REL | 200 ppm 260 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 200 ppm 260 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 200 ppm 260 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 250 ppm 325 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| ISOPROPYL ALCOHOL | TWA | 200 ppm | US. ACGIH Threshold Limit Values (2011) |
| | STEL | 400 ppm | US. ACGIH Threshold Limit Values (2011) |
| | REL | 400 ppm 980 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | STEL | 500 ppm 1,225 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2010) |
| | PEL | 400 ppm 980 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | TWA | 400 ppm 980 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | STEL | 500 ppm 1,225 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |

#### Biological Limit Values

| Chemical Identity | Exposure Limit Values | Source |
|---|---|---|
| ACETONE (acetone: Sampling time: End of shift.) | 50 mg/l (Urine) | ACGIH BEL (03 2013) |
| METHYL ALCOHOL (methanol: Sampling time: End of shift.) | 15 mg/l (Urine) | ACGIH BEL (03 2013) |
| ISOPROPYL ALCOHOL (acetone: Sampling time: End of shift at end of work week.) | 40 mg/l (Urine) | ACGIH BEL (03 2013) |

**Appropriate Engineering Controls** No data available.

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **General information:** | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. |
| **Eye/face protection:** | Wear safety glasses with side shields (or goggles) and a face shield. |
| **Skin Protection** | |
| **Hand Protection:** | Chemical resistant gloves |
| **Other:** | Wear suitable protective clothing. |
| **Respiratory Protection:** | In case of inadequate ventilation use suitable respirator. |
| **Hygiene measures:** | Provide eyewash station and safety shower. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using the product. Wash contaminated clothing before reuse. |

## 9. Physical and chemical properties

**Appearance**

| | |
|---|---|
| **Physical state:** | Liquid |
| **Form:** | Liquid |
| **Color:** | Colorless |
| **Odor:** | Odor of alcohol |
| **Odor threshold:** | No data available. |
| **pH:** | No data available. |
| **Melting point/freezing point:** | Approximate -100 °C |
| **Initial boiling point and boiling range:** | > 60 °C |
| **Flash Point:** | 13 °C |
| **Evaporation rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Upper/lower limit on flammability or explosive limits** | |
| **Flammability limit - upper (%):** | 19 %(V) |
| **Flammability limit - lower (%):** | 3.3 %(V) |
| **Explosive limit - upper (%):** | No data available. |
| **Explosive limit - lower (%):** | No data available. |
| **Vapor pressure:** | Estimated 6 kPa (20 °C) Estimated 28 kPa (50 °C) |
| **Vapor density:** | No data available. |
| **Relative density:** | 0.92 (20 °C) |
| **Solubility(ies)** | |
| **Solubility in water:** | Miscible with water. |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water):** | No data available. |
| **Auto-ignition temperature:** | 363 °C |
| **Decomposition temperature:** | No data available. |
| **Viscosity:** | No data available. |

## 10. Stability and reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Heat, sparks, flames. Contact with incompatible materials.

**Incompatible Materials:** Strong oxidizing agents. Acids. Silver. Salts of strong bases. Chlorinated compounds. Alkali metals. Alkalies. Hydrogen peroxide (H2O2) Hydrazine. Sulfuric acid. Nitric acid. Chlorides. Potassium.

**Hazardous Decomposition Products:** Oxides of Carbon.

## 11. Toxicological information

**Information on likely routes of exposure**

**Ingestion:** May be harmful if swallowed.

**Inhalation:** Toxic if inhaled.

**Skin Contact:** May cause irritation.

**Eye contact:** Causes serious eye irritation.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** No data available.

**Specified substance(s):**
ETHANOL — LD 50 (Rat): 6,200 mg/kg

**Specified substance(s):**
ACETONE — LD 50 (Rat): 5,800 mg/kg

**Specified substance(s):**
ISOPROPYL ALCOHOL — LD 50 (Rat): 5,045 mg/kg

**Specified substance(s):**
METHYL ALCOHOL — LD 50 (Rat): 5,628 mg/kg
LD 50 (Rabbit): 14,400 mg/kg

**Dermal**

**Product:** No data available.

**Specified substance(s):**
ACETONE — LD 50 (Rabbit): 20,000 mg/kg

**Specified substance(s):**
ISOPROPYL ALCOHOL — LD 50 (Rabbit): 12,800 mg/kg

**Specified substance(s):**
METHYL ALCOHOL — LD 50 (Rabbit): 15,800 mg/kg

**Inhalation**

**Product:** No data available.

**Specified substance(s):**
ETHANOL — LC 50 (Rat, 10 h): 20000 ppm

**Specified substance(s):**
ACETONE — LC 50 (Rat, 4 h): 76 mg/l

**Specified substance(s):**
ISOPROPYL ALCOHOL — No data available.

**Specified substance(s):**
METHYL ALCOHOL — LC 50 (Rat, 6 h): 87.5 mg/l
LC 50 (Rat, 4 h): 64000 ppm

**Repeated Dose Toxicity**
**Product:** No data available.

**Skin Corrosion/Irritation**
**Product:** May cause skin irritation.

**Serious Eye Damage/Eye Irritation**
**Product:** Causes serious eye irritation.

**Respiratory or Skin Sensitization**
**Product:** Not a skin sensitizer.

**Carcinogenicity**
**Product:** May cause cancer.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

| | |
|---|---|
| ETHANOL | Overall evaluation: 1. Carcinogenic to humans. Overall evaluation: 1. Carcinogenic to humans. |
| PHENOLPHTHALEIN | Overall evaluation: 2B. Possibly carcinogenic to humans. |
| ISOPROPYL ALCOHOL | Overall evaluation: 1. Carcinogenic to humans. Overall evaluation: 3. Not classifiable as to carcinogenicity to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens:**

| | |
|---|---|
| ETHANOL | Known To Be Human Carcinogen. |
| PHENOLPHTHALEIN | Reasonably Anticipated to be a Human Carcinogen. |

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**
No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**
**Product:** Suspected of causing genetic defects.

**In vivo**
**Product:** Suspected of causing genetic defects.

**Reproductive Toxicity**
**Product:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**
**Product:** May cause respiratory irritation. May cause drowsiness or dizziness.

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** No data available.

**Aspiration Hazard**

**Product:** Not classified

**Other Effects:** None known.

## 12. Ecological information

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| ETHANOL | LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 12,000 - 16,000 mg/l Mortality<br>LC 50 (Fathead minnow (Pimephales promelas), 96 h): 13,480 mg/l Mortality<br>LC 50 (Carp (Leuciscus idus melanotus), 48 h): 8,140 mg/l Mortality |
| ACETONE | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 5,490 - 7,030 mg/l Mortality<br>LC 50 (Bluegill (Lepomis macrochirus), 96 h): 8,300 mg/l Mortality<br>LC 50 (Fathead minnow (Pimephales promelas), 168 h): 6,652 - 8,344 mg/l Mortality |
| ISOPROPYL ALCOHOL | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 5,770 - 7,450 mg/l Mortality<br>LC 50 (Bluegill (Lepomis macrochirus), 96 h): > 1,400 mg/l Mortality<br>LC 50 (Western mosquitofish (Gambusia affinis), 96 h): > 1,400 mg/l Mortality |
| METHYL ALCOHOL | LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 18,000 - 20,000 mg/l Mortality<br>LC 50 (Fathead minnow (Pimephales promelas), 96 h): 28,200 mg/l Mortality |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| ETHANOL | EC 50 (Water flea (Daphnia obtusa), 48 h): 10,100 - 11,200 mg/l Intoxication<br>LC 50 (Brine shrimp (Artemia franchiscana), 48 h): 25.5 mg/l Mortality<br>LC 50 (Water flea (Daphnia magna), 48 h): 7,560 - 12,600 mg/l Mortality |
| ACETONE | LC 50 (Brine shrimp (Artemia salina), 24 h): 2,100 mg/l Mortality<br>LC 50 (Water flea (Daphnia magna), 48 h): 12,100 mg/l Mortality |
| ISOPROPYL ALCOHOL | LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality<br>LC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality<br>LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 750 - 1,650 mg/l Mortality |
| METHYL ALCOHOL | EC 50 (Water flea (Daphnia magna), 48 h): 20,450 - 29,350 mg/l Intoxication<br>LC 50 (Water flea (Daphnia magna), 48 h): 2,461 - 4,395 mg/l Mortality |

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**
**Product:** There are no data on the degradability of this product.

**BOD/COD Ratio**
**Product:** No data available.

**Bioaccumulative Potential**
**Bioconcentration Factor (BCF)**
**Product:** No data available on bioaccumulation.

**Partition Coefficient n-octanol / water (log Kow)**
**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| ETHANOL | Log Kow: -0.31 |
| ACETONE | Log Kow: -0.24 |
| ISOPROPYL ALCOHOL | Log Kow: 0.05 |
| METHYL ALCOHOL | Log Kow: -0.77 |

**Mobility in Soil:** The product is water soluble and may spread in water systems.

**Other Adverse Effects:** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

**DOT**

| | |
|---|---|
| UN Number: | UN 1993 |
| UN Proper Shipping Name: | Flammable liquids, n.o.s.(ETHANOL, ACETONE) |
| Transport Hazard Class(es) | |
| Class(es): | 3 |
| Label(s): | 3 |
| Packing Group: | II |
| Marine Pollutant: | No |

**IMDG**

| | |
|---|---|
| UN Number: | UN 1993 |
| UN Proper Shipping Name: | FLAMMABLE LIQUID, N.O.S.(ETHANOL, ACETONE) |
| Transport Hazard Class(es) | |
| Class(es): | 3 |
| Label(s): | 3 |
| EmS No.: | F-E, S-E |
| Packing Group: | II |
| Marine Pollutant: | No |

**IATA**

| | |
|---|---|
| UN Number: | UN 1993 |
| Proper Shipping Name: | Flammable liquid, n.o.s.(ETHANOL, ACETONE) |
| Transport Hazard Class(es): | |
| Class(es): | 3 |
| Label(s): | 3 |
| Marine Pollutant: | No |
| Packing Group: | II |

## 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| | |
|---|---|
| ETHANOL | Reportable quantity: 100 lbs. |
| ACETONE | Reportable quantity: 5000 lbs. |
| METHYL ALCOHOL | Reportable quantity: 5000 lbs. |
| ISOPROPYL ALCOHOL | Reportable quantity: 100 lbs. |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| X | Acute (Immediate) | X | Chronic (Delayed) | X | Fire | | Reactive | | Pressure Generating |

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

| Chemical Identity | RQ |
|---|---|
| ETHANOL | 100 lbs. |
| ACETONE | 5000 lbs. |
| METHYL ALCOHOL | 5000 lbs. |
| ISOPROPYL ALCOHOL | 100 lbs. |

**SARA 311/312 Hazardous Chemical**

| Chemical Identity | Threshold Planning Quantity |
|---|---|
| ETHANOL | 500 lbs |
| ACETONE | 500 lbs |
| PHENOLPHTHALEIN | 500 lbs |
| ISOPROPYL ALCOHOL | 500 lbs |
| METHYL ALCOHOL | 500 lbs |

**SARA 313 (TRI Reporting)**

| Chemical Identity | Reporting threshold for other users | Reporting threshold for manufacturing and processing |
|---|---|---|
| PHENOLPHTHALEIN | 10000 lbs | 25000 lbs. |
| METHYL ALCOHOL | 10000 lbs | 25000 lbs. |
| ISOPROPYL ALCOHOL | 10000 lbs | 25000 lbs. |

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

| | |
|---|---|
| ETHANOL | Carcinogenic. |
| ETHANOL | Developmental toxin. |
| PHENOLPHTHALEIN | Carcinogenic. |
| METHYL ALCOHOL | Developmental toxin. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. |

**US. New Jersey Worker and Community Right-to-Know Act**

| | |
|---|---|
| ETHANOL | Listed |
| ACETONE | Listed |

**US. Massachusetts RTK - Substance List**

| | |
|---|---|
| ETHANOL | Listed |
| ACETONE | Listed |

**US. Pennsylvania RTK - Hazardous Substances**

| | |
|---|---|
| ETHANOL | Listed |
| ACETONE | Listed |

**US. Rhode Island RTK**

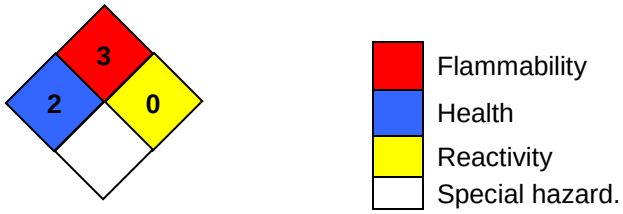
| | |
|---|---|
| ETHANOL | Listed |
| ACETONE | Listed |

**Inventory Status:**

| | |
|---|---|
| Australia AICS: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| EINECS, ELINCS or NLP: | On or in compliance with the inventory |
| Japan (ENCS) List: | On or in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI): | On or in compliance with the inventory |
| Canada NDSL Inventory: | Not in compliance with the inventory. |
| Philippines PICCS: | On or in compliance with the inventory |
| US TSCA Inventory: | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals: | On or in compliance with the inventory |
| Japan ISHL Listing: | On or in compliance with the inventory |
| Japan Pharmacopoeia Listing: | Not in compliance with the inventory. |

## 16.Other information, including date of preparation or last revision

**NFPA Hazard ID**




Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

| | |
|---|---|
| **Issue Date:** | 11-03-2014 |
| **Revision Date:** | No data available. |
| **Version #:** | 1.0 |
| **Further Information:** | No data available. |

**Disclaimer:**

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