

## 1. Identification

|                                                               |                                                                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product identifier</b>                                     | <b>LPS® 3 (Aerosol)</b>                                                                                           |
| <b>Other means of identification</b>                          |                                                                                                                   |
| <b>Part Number</b>                                            | C30316                                                                                                            |
| <b>Recommended use</b>                                        | A specialized soft-film spray coating designed to prevent rust and corrosion on steel, aluminum and other metals. |
| <b>Recommended restrictions</b>                               | None known.                                                                                                       |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                                                                   |
| <b>Manufacturer</b>                                           |                                                                                                                   |
| <b>Manufacturer</b>                                           |                                                                                                                   |
| <b>Company name</b>                                           | ITW Pro Brands                                                                                                    |
| <b>Address</b>                                                | 4647 Hugh Howell Rd.<br>Tucker, GA 30084                                                                          |
| <b>Country</b>                                                | (U.S.A.)                                                                                                          |
|                                                               | Tel: +1 770-243-8800                                                                                              |
| <b>In Case of Emergency</b>                                   | 1-800-424-9300<br>1-703-527-3887                                                                                  |
| <b>Website</b>                                                | www.lpslabs.com                                                                                                   |
| <b>E-mail</b>                                                 | lpssds@itwprobrands.com                                                                                           |
| <b>Supplier</b>                                               | ITW Permatex Canada<br>2360 Bristol Circle, Ste 101<br>Oakville, ON Canada L6H 6M5<br>Canada<br>1-800-241-8334    |

## 2. Hazard identification

|                              |                                   |                |
|------------------------------|-----------------------------------|----------------|
| <b>Physical hazards</b>      | Flammable aerosols                | Category 1     |
|                              | Gases under pressure              | Compressed gas |
| <b>Health hazards</b>        | Skin corrosion/irritation         | Category 2     |
|                              | Serious eye damage/eye irritation | Category 2A    |
| <b>Environmental hazards</b> | Not classified.                   |                |
| <b>Label elements</b>        |                                   |                |



|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>             | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Hazard statement</b>        | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation.                                                                                                                                                                                                                                                                                                                             |
| <b>Precautionary statement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Prevention</b>              | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves and eye/face protection.                                                                                                                                                                                                                   |
| <b>Response</b>                | If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. 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 on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. |
| <b>Storage</b>                 | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Disposal</b>                | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                                                                                                                                 |

**Other hazards** None known.

**Supplemental information** None known.

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %       |
|------------------------------------------|--------------------------|------------|---------|
| Distillates Petroleum Hydrotreated Light |                          | 64742-47-8 | 50 - 60 |
| 1-butoxy-2-propanol                      |                          | 5131-66-8  | 1 - 10  |
| Acetone                                  |                          | 67-64-1    | 1 - 10  |
| Distillates Petroleum Hydrotreated Heavy |                          | 64742-54-7 | 1 - 10  |
| Hydrodesulfurized Heavy Petroleum Naptha |                          | 64742-82-1 | 0.1 - 1 |
| Petrolatum                               |                          | 8009-03-8  | 0.1 - 1 |

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

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

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell. |
| <b>Skin contact</b>                                                           | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.                                                                                                                                                                                                    |
| <b>Eye contact</b>                                                            | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                      |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.                                                                                                                                     |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Rash. Symptoms of overexposure can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting, and are reversible if exposure is stopped.                                                                        |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                                                                   |
| <b>General information</b>                                                    | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                                                                                                      |

### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                                            |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Powder. Alcohol resistant foam. Water. Water spray. Carbon dioxide (CO <sub>2</sub> ).                                                                                                                     |
| <b>Unsuitable extinguishing media</b>                                | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                         |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. Fire may produce irritating, corrosive and/or toxic gases. |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.                                           |

**Fire fighting equipment/instructions**

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Water runoff can cause environmental damage.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**General fire hazards**

Extremely flammable aerosol.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

**Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Avoid breathing gas. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment.

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

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. The pressure in sealed containers can increase under the influence of heat. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store locked up. Use appropriate container to avoid environmental contamination. Keep container tightly closed. Store in a well-ventilated place. Keep container dry. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Keep in an area equipped with sprinklers. Use care in handling/storage.

**8. Exposure controls/personal protection****Occupational exposure limits****ACGIH****Components****Type****Value****Form**

Distillates Petroleum  
Hydrotreated Light (CAS  
64742-47-8)

TWA

5 mg/m3

Oil mist

**US. ACGIH Threshold Limit Values****Components****Type****Value**

Acetone (CAS 67-64-1)

STEL

500 ppm

TWA

250 ppm

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)****Components****Type****Value**

Acetone (CAS 67-64-1)

STEL

1800 mg/m3

750 ppm

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

| Components | Type | Value      |
|------------|------|------------|
|            | TWA  | 1200 mg/m3 |
|            |      | 500 ppm    |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components                                                | Type | Value     | Form         |
|-----------------------------------------------------------|------|-----------|--------------|
| Acetone (CAS 67-64-1)                                     | STEL | 500 ppm   |              |
|                                                           | TWA  | 250 ppm   |              |
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) | TWA  | 200 mg/m3 | Non-aerosol. |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components            | Type | Value   |
|-----------------------|------|---------|
| Acetone (CAS 67-64-1) | STEL | 500 ppm |
|                       | TWA  | 250 ppm |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components            | Type | Value   |
|-----------------------|------|---------|
| Acetone (CAS 67-64-1) | STEL | 500 ppm |
|                       | TWA  | 250 ppm |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

| Components            | Type | Value      |
|-----------------------|------|------------|
| Acetone (CAS 67-64-1) | STEL | 2380 mg/m3 |
|                       |      | 1000 ppm   |
|                       | TWA  | 1190 mg/m3 |
|                       |      | 500 ppm    |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

| Components            | Type      | Value   |
|-----------------------|-----------|---------|
| Acetone (CAS 67-64-1) | 15 minute | 750 ppm |
|                       | 8 hour    | 500 ppm |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components            | Value   | Determinant | Specimen | Sampling Time |
|-----------------------|---------|-------------|----------|---------------|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone     | Urine    | *             |

\* - For sampling details, please see the source document.

**Exposure guidelines****Canada - British Columbia OELs: Skin designation**

Distillates Petroleum Hydrotreated Light  
(CAS 64742-47-8)

Can be absorbed through the skin.

**Appropriate engineering controls**

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. Ensure adequate ventilation, especially in confined areas.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.

**Skin protection**

**Hand protection** Chemical resistant gloves are recommended.

**Other** Avoid contact with clothing. Wear suitable protective clothing. Chemical resistant gloves.

|                                       |                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>         | No personal respiratory protective equipment normally required. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.                 |
| <b>Thermal hazards</b>                | Not applicable.                                                                                                                                                                                                                                                                                                       |
| <b>General hygiene considerations</b> | When using do not smoke. When using, do not eat, drink or smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

## 9. Physical and chemical properties

|                                                     |                                                                |
|-----------------------------------------------------|----------------------------------------------------------------|
| <b>Appearance</b>                                   | Cloudy. Liquid.                                                |
| <b>Physical state</b>                               | Gas.                                                           |
| <b>Form</b>                                         | Aerosol.                                                       |
| <b>Color</b>                                        | Brown.                                                         |
| <b>Odor</b>                                         | Mild. Cherry.                                                  |
| <b>Odor threshold</b>                               | Not available.                                                 |
| <b>pH</b>                                           | Not applicable                                                 |
| <b>Melting point/freezing point</b>                 | Not available.                                                 |
| <b>Initial boiling point and boiling range</b>      | Not available.                                                 |
| <b>Flash point</b>                                  | 64.4 °F (18.0 °C) Tag Closed Cup                               |
| <b>Evaporation rate</b>                             | 151 (Ethyl Ether)                                              |
| <b>Flammability (solid, gas)</b>                    | Flammable gas.                                                 |
| <b>Upper/lower flammability or explosive limits</b> |                                                                |
| <b>Flammability limit - lower (%)</b>               | 0.6 %                                                          |
| <b>Flammability limit - upper (%)</b>               | 6 %                                                            |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                                 |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                                 |
| <b>Vapor pressure</b>                               | Not available.                                                 |
| <b>Vapor density</b>                                | Not available.                                                 |
| <b>Relative density</b>                             | Not available.                                                 |
| <b>Solubility(ies)</b>                              |                                                                |
| <b>Solubility (water)</b>                           | Not available.                                                 |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                                 |
| <b>Auto-ignition temperature</b>                    | 446 °F (230 °C)                                                |
| <b>Decomposition temperature</b>                    | Not available.                                                 |
| <b>Viscosity</b>                                    | Not available.                                                 |
| <b>Other information</b>                            |                                                                |
| <b>Density</b>                                      | 7.28 lb/gal                                                    |
| <b>Percent volatile</b>                             | 63 - 82 %                                                      |
| <b>Specific gravity</b>                             | 0.87                                                           |
| <b>VOC</b>                                          | 62.8 % per U.S. State and Federal Consumer Product Regulations |

## 10. Stability and reactivity

|                                           |                                                                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                                      |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                                        |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.                               |
| <b>Conditions to avoid</b>                | Heat, flames and sparks. Aerosol containers are unstable at temperatures above 50°C. Avoid temperatures exceeding the flash point. |

|                                         |                                                                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Incompatible materials</b>           | Strong oxidizing agents.                                                                                                              |
| <b>Hazardous decomposition products</b> | Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion. |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                                                                                |
| <b>Skin contact</b> | Causes skin irritation.                                                                                             |
| <b>Eye contact</b>  | Causes serious eye irritation.                                                                                      |
| <b>Ingestion</b>    | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |

|                                                                                     |                                                                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

### Information on toxicological effects

#### Acute toxicity

| Components                                                | Species | Test Results         |
|-----------------------------------------------------------|---------|----------------------|
| 1-butoxy-2-propanol (CAS 5131-66-8)                       |         |                      |
| <b><u>Acute</u></b>                                       |         |                      |
| <b>Dermal</b>                                             |         |                      |
| LD50                                                      | Rabbit  | 1400 mg/kg, 24 Hours |
| <b>Oral</b>                                               |         |                      |
| LD50                                                      | Rat     | > 2000 mg/kg         |
| Acetone (CAS 67-64-1)                                     |         |                      |
| <b><u>Acute</u></b>                                       |         |                      |
| <b>Inhalation</b>                                         |         |                      |
| LC50                                                      | Rat     | 50 mg/l, 8 Hours     |
| <b>Oral</b>                                               |         |                      |
| LD50                                                      | Rat     | 5800 mg/kg           |
| Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7) |         |                      |
| <b><u>Acute</u></b>                                       |         |                      |
| <b>Dermal</b>                                             |         |                      |
| LD50                                                      | Rabbit  | > 2000 mg/kg         |
| <b>Inhalation</b>                                         |         |                      |
| LC50                                                      | Rat     | > 3.9 mg/l, 4 Hours  |
| <b>Oral</b>                                               |         |                      |
| LD50                                                      | Rat     | > 2000 mg/kg         |
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) |         |                      |
| <b><u>Acute</u></b>                                       |         |                      |
| <b>Dermal</b>                                             |         |                      |
| LD50                                                      | Rabbit  | > 2000 mg/kg         |
| <b>Inhalation</b>                                         |         |                      |
| <i>Vapor</i>                                              |         |                      |
| LC50                                                      | Rat     | > 0.1 mg/l, 8 Hours  |
| <b>Oral</b>                                               |         |                      |
| LD50                                                      | Rat     | > 5000 mg/kg         |
| Hydrodesulfurized Heavy Petroleum Naptha (CAS 64742-82-1) |         |                      |
| <b><u>Acute</u></b>                                       |         |                      |
| <b>Oral</b>                                               |         |                      |
| LD50                                                      | Rat     | 4800 mg/kg           |

| Components                                                | Species                                                                                                          | Test Results           |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------|
| Petrolatum (CAS 8009-03-8)                                |                                                                                                                  |                        |
| <u>Acute</u>                                              |                                                                                                                  |                        |
| <b>Dermal</b>                                             |                                                                                                                  |                        |
| LD50                                                      | Rabbit                                                                                                           | > 2000 mg/kg, 24 Hours |
| <b>Oral</b>                                               |                                                                                                                  |                        |
| LD50                                                      | Rat                                                                                                              | > 5000 mg/kg           |
| <b>Skin corrosion/irritation</b>                          | Causes skin irritation.                                                                                          |                        |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye irritation.                                                                                   |                        |
| <b>Respiratory or skin sensitization</b>                  |                                                                                                                  |                        |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.                                                                                    |                        |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.                                                        |                        |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                        |
| <b>Carcinogenicity</b>                                    | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |                        |
| <b>ACGIH Carcinogens</b>                                  |                                                                                                                  |                        |
| Acetone (CAS 67-64-1)                                     | A4 Not classifiable as a human carcinogen.                                                                       |                        |
| <b>Canada - Manitoba OELs: carcinogenicity</b>            |                                                                                                                  |                        |
| Acetone (CAS 67-64-1)                                     | Not classifiable as a human carcinogen.                                                                          |                        |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |                        |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.                                                                                                  |                        |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.                                                                                                  |                        |
| <b>Aspiration hazard</b>                                  | Not likely, due to the form of the product.                                                                      |                        |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful.                                                                             |                        |
| <b>Further information</b>                                | None known.                                                                                                      |                        |

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

| Components                                                | Species                             |                                                     | Test Results                 |
|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------------|------------------------------|
| Acetone (CAS 67-64-1)                                     |                                     |                                                     |                              |
| Aquatic                                                   |                                     |                                                     |                              |
| Crustacea                                                 | EC50                                | Water flea (Daphnia magna)                          | 10294 - 17704 mg/l, 48 hours |
| Fish                                                      | LC50                                | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours   |
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) |                                     |                                                     |                              |
| Aquatic                                                   |                                     |                                                     |                              |
| Fish                                                      | LC50                                | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours           |
| Persistence and degradability                             | Not inherently biodegradable.       |                                                     |                              |
| Bioaccumulative potential                                 | No data available for this product. |                                                     |                              |
| Partition coefficient n-octanol / water (log Kow)         |                                     |                                                     |                              |
| Acetone                                                   | -0.24                               |                                                     |                              |
| Mobility in soil                                          | Not available.                      |                                                     |                              |
| Other adverse effects                                     | None known.                         |                                                     |                              |

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Avoid discharge into water courses or onto the ground.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

**14. Transport information****TDG**

|                              |                     |
|------------------------------|---------------------|
| UN number                    | UN1950              |
| UN proper shipping name      | Aerosols, flammable |
| Transport hazard class(es)   |                     |
| Class                        | 2.1                 |
| Subsidiary risk              | -                   |
| Packing group                | Not available.      |
| Environmental hazards        | No                  |
| Special precautions for user | Not available.      |

**IATA**

|                              |                            |
|------------------------------|----------------------------|
| UN number                    | UN1950                     |
| UN proper shipping name      | Aerosols, flammable        |
| Transport hazard class(es)   |                            |
| Class                        | 2.1                        |
| Subsidiary risk              | -                          |
| Label(s)                     | 2.1                        |
| Packing group                | Not available.             |
| Environmental hazards        | No.                        |
| Special precautions for user | Not available.             |
| Other information            |                            |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only          | Allowed with restrictions. |

**IMDG**

|                                                                          |                     |
|--------------------------------------------------------------------------|---------------------|
| UN number                                                                | UN1950              |
| UN proper shipping name                                                  | Aerosols, flammable |
| Transport hazard class(es)                                               |                     |
| Class                                                                    | 2.1                 |
| Subsidiary risk                                                          | -                   |
| Label(s)                                                                 | 2.1                 |
| Packing group                                                            | Not available.      |
| Environmental hazards                                                    |                     |
| Marine pollutant                                                         | No                  |
| EmS                                                                      | Not available.      |
| Special precautions for user                                             | Not available.      |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not available.      |

**IATA; IMDG; TDG****15. Regulatory information****Canadian regulations**

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**Canada. Excluded VOCs. Guidelines for Volatile Organic Compounds in Consumer Products. CEPA 1999. Environment Canada, as amended**

Acetone (CAS 67-64-1)

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)**

Acetone (CAS 67-64-1)

**Precursor Control Regulations**

Acetone (CAS 67-64-1)

Class B

**International regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| <b>Issue date</b>          | 06-16-2016                                                |
| <b>Revision date</b>       | 11-04-2019                                                |
| <b>Version #</b>           | 09                                                        |
| <b>Further information</b> | HMIS® is a registered trade and service mark of the NPCA. |

## References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
Korea. Accidental Release Prevention Substances (Presidential Decree of Toxic Chemical Control Law, Executive Order No. 19203)  
Korea. Dangerous Substances Threshold Quantity (Presidential Decree of Dangerous Substances Safety Management Act No. 18406, Schedule 1)  
Korea. Harmful Substances Prohibited from Manufacturing (Presidential Decree on the Industrial Safety and Health Act (No. 13053), Article 29)  
Korea. Harmful Substances Requiring Permission for Manufacture or Use (Presidential Decree on the Industrial Safety and Health Act (No. 13053), Article 30)  
Korea. Non-Toxic Chemicals List (National Institute of Environment Research (NIER) Public Notice No. 1997-10, as amended)  
Korea. Observational Chemicals (Ministerial Decree of TCCL Article 6)  
Korea. OELs. Regulation for Permitted Concentration of Hazardous Substances (Ministry of Labor (MOL) Public Notice No. 1986-45, as amended)  
Korea. Prohibited Chemical Substances (TCCL Article 11)  
Korea. Regulated volatile organic compounds (VOCs) (MOE Notice No. 2001-36, March 8, 2001, as amended)  
Korea. Restricted Chemical Substances (TCCL Article 11)  
Korea. Toxic Chemical Control Law (TCCL), Existing Chemicals Inventory (KECI)  
Korea. Toxic Chemical Control Law (TCCL), pre-1997 List  
Korea. Toxic Chemicals (TCCL Article 10)  
Korea. Toxic Release Inventory (TRI) Chemicals (TCCL Article 14)  
Taiwan. Dangerous Materials (Rules on Hazard Communication of Dangerous Materials and Toxic Materials)  
Taiwan. Industrial Precursor Chemicals (Categories and Regulations Governing Inspection and Declaration of Industrial Precursor Chemicals, MOEA Decree No. 87, as amended)  
Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials)  
Taiwan. Toxic Chemical Substances (TCS) (List of Toxic Chemical Substances announced by the Environmental Protection Administration)  
Taiwan. Toxic Materials (Rules on Hazard Communication of Dangerous Materials and Toxic Materials)  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits  
GOST 30333-2007 - Chemical production safety passport. General requirements  
JIS Z 7252:2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"  
JIS Z 7253:2012 Hazard communication of chemicals based on GHS – Labelling and Safety Data Sheet (SDS)  
Japan Chemical Industry Association (JCIA) GHS Guideline, June 2012

## Disclaimer

This safety data sheet was prepared in accordance with JIS Z 7253:2012. Additional information is given in the Material Safety Data Sheet. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

## Revision information

Hazard identification: Hazard statement  
Hazard identification: Response  
Hazard identification: Storage  
Composition / Information on Ingredients: Disclosure Overrides  
GHS: Classification