1. Identification

Product number: 1000038281
Product identifier: SW258 Starting Fluid
Company information: Sprayway, Inc.
1000 INTEGRAM DR
Pacific, MO 63069 United States
Company phone: 1-630-628-3000
Emergency telephone US: 1-866-836-8855
Emergency telephone outside US: 1-952-852-4646
Version #: 01
Recommended use: Not available.
Recommended restrictions: None known.

2. Hazard(s) identification

Physical hazards:
- Flammable aerosols: Category 1

Health hazards:
- Skin corrosion/irritation: Category 2
- Specific target organ toxicity, single exposure: Category 3 narcotic effects
- Aspiration hazard: Category 1

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness.

Precautionary statement
- Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves.
- Response: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards:
- Hazardous to the aquatic environment, acute hazard: Category 2
- Hazardous to the aquatic environment, long-term hazard: Category 2

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, (Petroleum), Hydrotreated Light</td>
<td></td>
<td>64742-49-0</td>
<td>40 - 60</td>
</tr>
<tr>
<td>n-Heptane</td>
<td></td>
<td>142-82-5</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Diethyl Ether</td>
<td></td>
<td>60-29-7</td>
<td>10 - 20</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td></td>
<td>108-87-2</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td></td>
<td>124-38-9</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Distillates (petroleum), Hydrotreated Light Naphthenic</td>
<td></td>
<td>64742-53-6</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Butylated Hydroxytoluene</td>
<td></td>
<td>128-37-0</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact**
Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**
Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion**
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs.

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

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

**Suitable extinguishing media**
Alcohol resistant foam. Powder. Carbon dioxide (CO2).

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

**Specific hazards arising from the chemical**
Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
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.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

**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. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. 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. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

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. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

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. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide (CAS 124-38-9)</td>
<td>PEL</td>
<td>9000 mg/m3</td>
</tr>
<tr>
<td>Diethyl Ether (CAS 60-29-7)</td>
<td>PEL</td>
<td>5000 ppm</td>
</tr>
<tr>
<td>Methylcyclohexane (CAS 108-87-2)</td>
<td>PEL</td>
<td>1200 mg/m3</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>PEL</td>
<td>2000 mg/m3</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>2 mg/m3</td>
<td>Inhalable fraction and vapor.</td>
</tr>
<tr>
<td>Carbon Dioxide (CAS 124-38-9)</td>
<td>STEL</td>
<td>30000 ppm</td>
<td></td>
</tr>
<tr>
<td>Diethyl Ether (CAS 60-29-7)</td>
<td>TWA</td>
<td>5000 ppm</td>
<td></td>
</tr>
<tr>
<td>Methylcyclohexane (CAS 108-87-2)</td>
<td>TWA</td>
<td>500 ppm</td>
<td></td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>STEL</td>
<td>400 ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Carbon Dioxide (CAS 124-38-9)</td>
<td>STEL</td>
<td>54000 mg/m3</td>
</tr>
</tbody>
</table>
### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>30000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9000 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 ppm</td>
</tr>
<tr>
<td>Methylcyclohexane (CAS 108-87-2)</td>
<td>TWA</td>
<td>1600 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 ppm</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>440 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>350 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>85 ppm</td>
</tr>
</tbody>
</table>

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Appropriate engineering controls

Eye wash facilities and emergency shower must be available when handling this product.

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

- **Eye/face protection**: Chemical respirator with organic vapor cartridge and full facepiece.
- **Skin protection**:
  - **Hand protection**: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
  - **Other**: Wear appropriate chemical resistant clothing.
- **Respiratory protection**: Chemical respirator with organic vapor cartridge and full facepiece.
- **Thermal hazards**: Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke. 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

#### Appearance

- **Physical state**: Liquid.
- **Form**: Aerosol.
- **Color**: Not available.
- **Odor**: Not available.
- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: 176.39 °F (80.22 °C) estimated
- **Flash point**: -40.0 °F (-40.0 °C) Propellant estimated
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not available.

#### Upper/lower flammability or explosive limits

- **Flammability limit - lower (%)**: 1.2 % estimated
- **Flammability limit - upper (%)**: 8 % estimated
- **Explosive limit - lower (%)**: Not available.
- **Explosive limit - upper (%)**: Not available.

#### Vapor pressure

- 85 - 100 psig @20C estimated
- 120 - 130 @54C estimated

#### Vapor density

Not available.

#### Relative density

Not available.

#### Solubility(ies)

- **Solubility (water)**: Not available.
Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 482 °F (250 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Heat of combustion (NFPA 30B) 35.79 kJ/g estimated

Oxidizing properties Not oxidizing.

Specific gravity 0.703 estimated

VOC (Weight %) 94.6 % estimated

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure


Skin contact Causes skin irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Components Species Test Results

Butylated Hydroxytoluene (CAS 128-37-0)

Acute Dermal
LD50 Rat > 2000 mg/kg
LD50 Mouse > 2000 mg/kg, 4 wk (3 x/wk)

Oral LD50 Rat > 2930 mg/kg

Diethyl Ether (CAS 60-29-7)

Acute Dermal
LD50 Rabbit > 20000 mg/kg, 24 Hours

Inhalation
LC50 Mouse 31300 ppm, 90 Minutes
LD50 Rat 32000 ppm, 4 Hours
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>1200 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Distillates (petroleum), Hydrotreated Light Naphthenic (CAS 64742-53-6)

**Acute**
- **Dermal**
  - LD50
  - Rabbit
  - > 2000 mg/kg
- **Inhalation**
  - LC50
  - Rat
  - 2.18 mg/l, 4 Hours

**Dermal**
- LD50
- Rabbit
- > 2000 mg/kg, 24 Hours

**Inhalation**
- LC50
- Rat
- > 2000 mg/kg

Methylcyclohexane (CAS 108-87-2)

**Acute**
- **Dermal**
  - LD50
  - Rabbit
  - > 2000 mg/kg, 24 Hours
- **Inhalation**
  - LC100
  - Rabbit
  - 59.9 mg/l
  - LC50
  - Dog
  - > 4071 ppm, If <1L: Consumer Commodity Hours
  - > 16.3 mg/l, If <1L: Consumer Commodity Hours
  - Mouse
  - > 6564 ppm, If <1L: Consumer Commodity Hours
  - > 26.3 mg/l, If <1L: Consumer Commodity Hours
  - Rat
  - > 6564 ppm, If <1L: Consumer Commodity Hours
  - > 26.3 mg/l, If <1L: Consumer Commodity Hours
- LC50
- Rat
- 16 mg/l, 4 Hours

Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)

**Acute**
- **Dermal**
  - LD50
  - Guinea pig; Rabbit
  - > 9.4 ml/kg, 24 Hours
  - Rabbit
  - > 1900 mg/kg, 24 Hours
- **Inhalation**
  - LC50
  - Rat
  - > 5000 mg/m3, 4 Hours
  - > 4980 mg/m3
  - > 4980 mg/m3, 4 Hours
  - > 4.96 mg/l, 4 Hours
  - 13700 ppm, 4 Hours

**Oral**
- LD50
- Rat
- 4820 mg/kg

n-Heptane (CAS 142-82-5)

**Acute**
- **Dermal**
  - LD50
  - Rabbit
  - > 2000 mg/kg, 24 Hours
- **Inhalation**
  - LC50
  - Rat
  - > 29.29 mg/l, 4 Hours
### Oral

**LD50**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

- **Respiratory sensitization**: Not a respiratory sensitizer.
- **Skin sensitization**: This product is not expected to cause skin sensitization.
- **Germ cell mutagenicity**: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Butylated Hydroxytoluene (CAS 128-37-0) 3 Not classifiable as to carcinogenicity to humans.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

### Specific target organ toxicity - single exposure

May cause drowsiness and dizziness.

### Specific target organ toxicity - repeated exposure

Not classified.

### Aspiration hazard

May be fatal if swallowed and enters airways.

### 12. Ecological information

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxytoluene (CAS 128-37-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>IC50</td>
<td>Algae</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia pulex)</td>
</tr>
<tr>
<td>Diethyl Ether (CAS 60-29-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
<tr>
<td>Methylcyclohexane (CAS 108-87-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Striped bass (Morone saxatilis)</td>
</tr>
<tr>
<td>n-Heptane (CAS 142-82-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mozambique tilapia (Tilapia mossambica)</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Persistence and degradability

No data is available on the degradability of this product.

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethyl Ether</td>
<td>0.89</td>
</tr>
<tr>
<td>Methylcyclohexane</td>
<td>3.61</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>4.66</td>
</tr>
</tbody>
</table>

### Mobility in soil

No data available.

---

**Product name**: SW258 Starting Fluid

**Product #:** 1000038281    **Version #:** 01    **Issue date:** 12-27-2018
Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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. 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.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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).

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

14. Transport information

DOT

UN number
UN1950

UN proper shipping name
Aerosols, flammable, (each not exceeding 1 L capacity)

Transport hazard class(es)
Class
2.1
Subsidiary risk
-
Label(s)
2.1

Packing group
Not applicable.

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.

Special provisions
N82

Packaging exceptions
306

Packaging non bulk
None

Packaging bulk
None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking.

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 applicable.

Environmental hazards
Yes

ERG Code
10L

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information
Passenger and cargo aircraft
Allowed with restrictions.

Cargo aircraft only
Allowed with restrictions.

Packaging Exceptions
LTD QTY

IMDG

UN number
UN1950

UN proper shipping name
AEROSOLS

Transport hazard class(es)
Class
2.1
Subsidiary risk
-
Label(s)
None

Packing group
Not applicable.
Environmental hazards
Marine pollutant: Yes
EmS: F-D, S-U

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions
LTD QTY: Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

General information
DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Diethyl Ether (CAS 60-29-7) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance
- Not listed.

SARA 311/312 Hazardous chemical
- No

SARA 313 (TRI reporting)
- Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
- Diethyl Ether (CAS 60-29-7)
- Not regulated.

Safe Drinking Water Act (SDWA)
- Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
  - Diethyl Ether (CAS 60-29-7) 6584
- Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
  - Diethyl Ether (CAS 60-29-7) 35 %WV
- DEA Exempt Chemical Mixtures Code Number
  - Diethyl Ether (CAS 60-29-7) 6584

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
- Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
- Distillates (petroleum), Hydrotreated Light Naphthenic (CAS 64742-53-6)
- Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)

US. Massachusetts RTK - Substance List
- Butylated Hydroxytoluene (CAS 128-37-0)
- Carbon Dioxide (CAS 124-38-9)
- Diethyl Ether (CAS 60-29-7)
- Distillates (petroleum), Hydrotreated Light Naphthenic (CAS 64742-53-6)
- Methylcyclohexane (CAS 108-87-2)
- n-Heptane (CAS 142-82-5)

US. New Jersey Worker and Community Right-to-Know Act
- Butylated Hydroxytoluene (CAS 128-37-0)
- Carbon Dioxide (CAS 124-38-9)
- Diethyl Ether (CAS 60-29-7)
- Methylcyclohexane (CAS 108-87-2)
- n-Heptane (CAS 142-82-5)

US. Pennsylvania Worker and Community Right-to-Know Law
- Butylated Hydroxytoluene (CAS 128-37-0)
- Carbon Dioxide (CAS 124-38-9)
- Diethyl Ether (CAS 60-29-7)
- Methylcyclohexane (CAS 108-87-2)
- n-Heptane (CAS 142-82-5)

US. Rhode Island RTK
- Diethyl Ether (CAS 60-29-7)

US. California Proposition 65
- WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Benzene (CAS 71-43-2) Listed: February 27, 1987
Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Benzene (CAS 71-43-2) Listed: December 26, 1997
Toluene (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
Benzene (CAS 71-43-2) Listed: December 26, 1997

International Inventories

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

*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, including date of preparation or last revision

Issue date 12-27-2018
Version # 01
Disclaimer
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
Product and Company Identification: Alternate Trade Names