SAFETY DATA SHEET

1. Identification

Product number 1000007157
Product identifier 18 OZ ADASEAL STRIP-EASE LB 12PK
Revision date 03-18-2015
Company information ADASEAL INTERNATIONAL INC.
5468 HWY 70 W.
WAVERLY, TN 37185 United States
Company phone General Assistance 931-296-2291
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 1-952-852-4646
Version # 02
Supersedes date 08-05-2014
Recommended use Remover
Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Health hazards Germ cell mutagenicity Category 1
Carcinogenicity Category 1
Reproductive toxicity Category 2
Specific target organ toxicity, single exposure Category 1
Specific target organ toxicity, repeated exposure Category 2
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3
Hazardous to the aquatic environment, long-term hazard Category 3
OSHA defined hazards Not classified.

Label elements

Signal word Danger
Hazard statement Extremely flammable aerosol. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.
Precautionary statement
Prevention 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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response If exposed: Call a poison center/doctor. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label).
Storage 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.
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>Methylene Chloride</td>
<td></td>
<td>75-09-2</td>
<td>60 - 80</td>
</tr>
<tr>
<td>Butane</td>
<td></td>
<td>106-97-8</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Methanol</td>
<td></td>
<td>67-56-1</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Propane</td>
<td></td>
<td>74-98-6</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Toluene</td>
<td></td>
<td>108-88-3</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td></td>
<td>75-56-9</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other components below reportable levels  1 - 2.5

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

4. First-aid measures

Inhalation  Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician or Poison Control Center immediately. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if symptoms persist.

Skin contact  Call a physician or Poison Control Center immediately. Get medical attention if irritation develops or persists.

Eye contact  Get medical attention if irritation develops or persists. Call a physician or Poison Control Center immediately.

Ingestion  Have victim rinse mouth thoroughly with water. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Most important symptoms/effects, acute and delayed  Dizziness. Nausea. Irritation of eyes and mucous membranes. Skin irritation. Prolonged exposure may cause chronic effects.

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  In case of shortness of breath, give oxygen. Immediate medical attention is required. If exposed or concerned: get medical attention/advice. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep victim under observation. Keep victim warm.

5. Fire-fighting measures

Suitable extinguishing media  Not available.

Unsuitable extinguishing media  Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical  Contents under pressure. Pressurized container may explode when exposed to heat or flame. Fire may produce irritating, corrosive and/or toxic gases.

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. Structural firefighters protective clothing will only provide limited protection.

Fire-fighting equipment/instructions  In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out. 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. Use water spray to cool unopened containers. 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

Use personal protective equipment. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Stay upwind. 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. Eliminate all ignition sources (no smoking, flames, sparks, or flames in immediate area). Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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. Prevent entry into waterways, sewer, basements or confined areas. Clean contaminated surface thoroughly. Wipe up with absorbent material (e.g. cloth, fleece). For waste disposal, see section 13 of the SDS. This material and its container must be disposed of as hazardous waste.

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

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 breathe gas. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Keep locked-up. Keep away from heat, sparks, and flame. 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. Keep at temperature not exceeding 49°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Keep in a well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source. Keep this material away from food, drink and animal feed. Refrigeration recommended. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

8. Exposure controls/personal protection

Occupational exposure limits

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>STEL</td>
<td>125 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>PEL</td>
<td>260 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>PEL</td>
<td>1800 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>PEL</td>
<td>240 mg/m3</td>
</tr>
</tbody>
</table>
|                             |      | 100 ppm
### US. OSHA Table Z-2 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Ceiling</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>STEL</td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>TWA</td>
<td>2 ppm</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
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</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>Butane (CAS 106-97-8)</td>
<td>TWA</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800 ppm</td>
</tr>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>STEL</td>
<td>325 mg/m3</td>
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<td></td>
<td></td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>260 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>TWA</td>
<td>1800 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>STEL</td>
<td>560 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>375 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

### Biological limit values

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>15 mg/l</td>
<td>Methanol</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>0.3 mg/l</td>
<td>Dichloromethane</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>0.3 mg/g</td>
<td>o-Cresol, with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.03 mg/l</td>
<td>Toluene</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.02 mg/l</td>
<td>Toluene</td>
<td>Blood</td>
<td>*</td>
</tr>
</tbody>
</table>

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

### Exposure guidelines

**US - California OELs: Skin designation**
- Methanol (CAS 67-56-1)
  - Can be absorbed through the skin.
- Toluene (CAS 108-88-3)
  - Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**
- Methanol (CAS 67-56-1)
  - Skin designation applies.
- Toluene (CAS 108-88-3)
  - Skin designation applies.

**US - Tennesse OELs: Skin designation**
- Methanol (CAS 67-56-1)
  - Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**
- Methanol (CAS 67-56-1)
  - Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**
- Methanol (CAS 67-56-1)
  - 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. Avoid exposure - obtain special instructions before use.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear chemical goggles.

Hand protection
Wear appropriate chemical resistant gloves.

Skin protection
Wear appropriate chemical resistant gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer. Use of an impervious apron is recommended.

Respiratory protection
If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. 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.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. When using do not eat or 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

Appearance

Physical state
Gas.

Form
Aerosol.

Color
Opaque.

Odor
Not available.

Odor threshold
Not available.

pH
Not applicable estimated.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
103.55 °F (39.75 °C) estimated.

Flash point
-156.0 °F (-104.4 °C) estimated.

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
1.9 % estimated.

Flammability limit - upper (%)
9.5 % estimated.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
30 - 40 psig @ 70F 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
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.
Other information

Specific gravity 1.038 estimated

10. Stability and reactivity

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

Chemical stability Risk of ignition. Stable at normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.


Hazardous decomposition products May include oxides of oxides of carbon. May include oxides of phosphorus.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

Inhalation May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Dizziness. Nausea. irritation of eyes and mucous membranes. Skin irritation.

Information on toxicological effects

Acute toxicity Acute LC50: 249 mg/l/4h, Rat, Inhalation

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 OZ ADASEAL STRIP-EASE LB 12PK (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>249 mg/l/4h</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td></td>
</tr>
</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td></td>
</tr>
<tr>
<td>Acute Inhalation</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
</tbody>
</table>

| Methanol (CAS 67-56-1) | |
| Acute Inhalation | |
| LC50 | Cat | 85.41 mg/l, 4.5 Hours |
| | | 43.68 mg/l, 6 Hours |
| | Mouse | 79.43 mg/l, 134 Minutes |
| | Rat | > 115.9 mg/l, 4 Hours |
| | | 82.1 mg/l, 6 Hours |

<p>| Oral | |
| LD50 | Monkey | 6000 mg/kg |
| | Rat | 1187 - 2769 mg/kg |</p>
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>Mouse</td>
<td>6000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Methylene Chloride (CAS 75-09-2)**

- **Acute**
  - **Dermal**
    - LD50: Mouse
    - > 2000 mg/kg, Days
  - **Inhalation**
    - LC50: Mouse
    - 49 mg/l, 7 Hours

**Propane (CAS 74-98-6)**

- **Acute**
  - **Inhalation**
    - LC50: Mouse
    - 1237 mg/l, 120 Minutes
    - 52 %, 120 Minutes
    - Rat
    - 1355 mg/l
    - 658 mg/l/4h

**Propylene Oxide (CAS 75-56-9)**

- **Acute**
  - **Dermal**
    - LD50: Rabbit
    - 950 - 1250 mg/kg, 4 Hours
    - 1.5 ml/kg, 4 Hours
  - **Inhalation**
    - LC50: Mouse
    - 4197 ppm, 4 Hours
    - 4124 mg/m3, 4 Hours
    - Rat
    - 5879 - 6281 ppm, 6 Hours
    - 12.5 - 28.8 mg/l, 4 Hours

**Toluene (CAS 108-88-3)**

- **Acute**
  - **Dermal**
    - LD50: Rabbit
    - > 5000 mg/kg, 24 Hours
  - **Inhalation**
    - LC50: Mouse
    - 6405 - 7436 ppm, 6 Hours
    - 5320 ppm, 8 Hours
    - Rat
    - 5879 - 6281 ppm, 6 Hours
    - 12.5 - 28.8 mg/l, 4 Hours
  - **Oral**
    - LD50: Rat
    - 382 - 587 mg/kg

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

**Skin corrosion/irritation**
Not expected to be hazardous by OSHA criteria.

**Serious eye damage/eye irritation**
Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**
Not available.

**Skin sensitization**
Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Germ cell mutagenicity**
Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria. May cause genetic defects.

**Carcinogenicity**
May cause cancer.

*IARC Monographs. Overall Evaluation of Carcinogenicity*

- Methylene Chloride (CAS 75-09-2): 2B Possibly carcinogenic to humans.
- Propylene Oxide (CAS 75-56-9): 2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3) Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Methylene Chloride (CAS 75-09-2) Cancer
US. National Toxicology Program (NTP) Report on Carcinogens
Methylene Chloride (CAS 75-09-2) Reasonably Anticipated to be a Human Carcinogen.
Propylene Oxide (CAS 75-56-9) Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity Suspected of damaging fertility or the unborn child. Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria.
Specific target organ toxicity - repeated exposure Respiratory system. Skin. Kidneys. Central nervous system. Eyes. Liver. May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard Not likely, due to the form of the product.
Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Danger of serious damage to health by prolonged exposure. Not expected to be hazardous by WHMIS criteria. May cause damage to organs through prolonged or repeated exposure.

Further information Danger of very serious irreversible effects.

12. Ecological information
Ecotoxicity Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 OZ ADASEAL STRIP-EASE LB 12PK (CAS Mixture)</td>
<td>Aquatic</td>
<td>Crustacea EC50 Daphnia 289 mg/L, 48 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish LC50 Fish 184 mg/L, 96 Hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>Methanol (CAS 67-56-1)</td>
<td>Aquatic</td>
<td>Crustacea EC50 Water flea (Daphnia magna) &gt; 10000 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Fathead minnow (Pimephales promelas) &gt; 100 mg/l, 96 hours</td>
<td></td>
</tr>
<tr>
<td>Methylene Chloride (CAS 75-09-2)</td>
<td>Aquatic</td>
<td>Algae IC50 Algae 500.0001 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea EC50 Daphnia 1689.5 mg/L, 48 Hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water flea (Daphnia magna) 1250 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Fathead minnow (Pimephales promelas) 140.8 - 277.8 mg/l, 96 hours</td>
<td></td>
</tr>
<tr>
<td>Propylene Oxide (CAS 75-56-9)</td>
<td>Aquatic</td>
<td>Crustacea EC50 Daphnia 350 mg/L, 48 Hours</td>
</tr>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>Aquatic</td>
<td>Algae IC50 Algae 433.0001 mg/L, 72 Hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea EC50 Daphnia 7.645 mg/L, 48 Hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fish LC50 Coho salmon,silver salmon (Oncorhynchus kisutch) 8.11 mg/l, 96 hours</td>
<td></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 No data available.

Partition coefficient n-octanol / water (log Kow)
- Butane 2.89
Partition coefficient n-octanol / water (log Kow)

<table>
<thead>
<tr>
<th>Substance</th>
<th>log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>-0.77</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td>1.25</td>
</tr>
<tr>
<td>Propane</td>
<td>2.36</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>0.03</td>
</tr>
<tr>
<td>Toluene</td>
<td>2.73</td>
</tr>
</tbody>
</table>

Mobility in soil

No data available.

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**

Consult authorities before disposal. Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. 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.

**US RCRA Hazardous Waste U List: Reference**

- Methanol (CAS 67-56-1) U154
- Methylene Chloride (CAS 75-09-2) U080
- Toluene (CAS 108-88-3) U220

**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**

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

**DOT**

- **UN number**: UN1950
- **UN proper shipping name**: Aerosols, flammable
- **Transport hazard class(es)**
  - Class: 2.1
  - Subsidiary risk: 6.1(PGIII)
  - Label(s): 2.1, 6.1
- **Packing group**: Not applicable.
- **Special precautions for user**
  - Read safety instructions, SDS and emergency procedures before handling. 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 and both may be displayed concurrently.

**IATA**

- **UN number**: UN1950
- **UN proper shipping name**: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
- **Transport hazard class(es)**
  - Class: 2.1
  - Subsidiary risk: 6.1(PGIII)
  - Label(s): 2.1, 6.1
- **Packing group**: Not applicable.
- **Environmental hazards**: No.
- **ERG Code**: 10P
- **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.
  Cargo aircraft only  Allowed.
Packaging Exceptions  LTD QTY
IMDG
UN number  UN1950
UN proper shipping name  AEROSOLS
Transport hazard class(es)
  Class  2.1
  Subsidiary risk  6.1(PGIII)
  Label(s)  2.1+6.1
Packing group  Not applicable.
Environmental hazards
  Marine pollutant  No.
EmS  F-D, S-U
Special precautions for user  Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions  NOT a LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
DOT

IATA; IMDG

15. Regulatory information
US federal regulations
  This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
  All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
  Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)
  Methanol (CAS 67-56-1)  Listed.
  Methylene Chloride (CAS 75-09-2)  Listed.
  Propylene Oxide (CAS 75-56-9)  Listed.
  Toluene (CAS 108-88-3)  Listed.
SARA 304 Emergency release notification
  Propylene Oxide (CAS 75-56-9)  100 LBS
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
  Methylene Chloride (CAS 75-09-2)  Cancer
Heart
Central nervous system
Liver
Skin irritation
Eye irritation

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity</th>
<th>Threshold planning quantity</th>
<th>Threshold planning quantity, lower value</th>
<th>Threshold planning quantity, upper value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>100</td>
<td>10000 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride</td>
<td>75-09-2</td>
<td>60 - 80</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Propylene Oxide</td>
<td>75-56-9</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- Methanol (CAS 67-56-1)
- Methylene Chloride (CAS 75-09-2)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
- Butane (CAS 106-97-8)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)

Safe Drinking Water Act (SDWA)
- Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
- Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
- Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number
- Toluene (CAS 108-88-3) 594

US state regulations

US. Massachusetts RTK - Substance List
- Butane (CAS 106-97-8)
- Methanol (CAS 67-56-1)
- Methylene Chloride (CAS 75-09-2)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

US. New Jersey Worker and Community Right-to-Know Act
- Butane (CAS 106-97-8)
- Methanol (CAS 67-56-1)
- Methylene Chloride (CAS 75-09-2)
- Propane (CAS 74-98-6)
- Propylene Oxide (CAS 75-56-9)
- Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law
- Butane (CAS 106-97-8)
Methanol (CAS 67-56-1)
Methylene Chloride (CAS 75-09-2)
Propane (CAS 74-98-6)
Propylene Oxide (CAS 75-56-9)
Toluene (CAS 108-88-3)

US. Rhode Island RTK
Butane (CAS 106-97-8)
Methanol (CAS 67-56-1)
Methylene Chloride (CAS 75-09-2)
Propane (CAS 74-98-6)
Propylene Oxide (CAS 75-56-9)
Toluene (CAS 108-88-3)

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
Methylene Chloride (CAS 75-09-2) Listed: April 1, 1988
Propylene Oxide (CAS 75-56-9) Listed: October 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Methanol (CAS 67-56-1) Listed: March 16, 2012
Toluene (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
Toluene (CAS 108-88-3) Listed: August 7, 2009

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>
</tr>
<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>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<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 08-05-2014
Revision date 03-18-2015
Version # 02

Disclaimer
We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.