1. Identification

Product number: 1000000877
Product identifier: SOLVENT DEGREASER
Revision date: 11-14-2016
Company information: Claire Manufacturing Co.
1000 Integram Dr
Pacific, MO 63069 United States
Company phone: General Assistance 1-630-543-7600
Emergency telephone US: 1-866-836-8855
Emergency telephone outside US: 1-952-852-4646
Version #: 08
Supersedes date: 01-26-2016
Recommended use: CLEANER
Recommended restrictions: None known.

2. Hazard(s) identification

Physical hazards: Gases under pressure, Compressed gas
Health hazards: Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 2A
Germ cell mutagenicity, Category 2
Carcinogenicity, Category 1B
Specific target organ toxicity, single exposure, Category 3 narcotic effects

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. May cause cancer.

Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.


Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards: Hazardous to the aquatic environment, acute hazard Category 3
Hazardous to the aquatic environment, long-term hazard Category 3
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>Trichloroethylene</td>
<td></td>
<td>79-01-6</td>
<td>90 - 100</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td></td>
<td>124-38-9</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>1,2-Butylene Oxide</td>
<td></td>
<td>106-88-7</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
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.

Most important symptoms/effects, acute and delayed
May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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
IF exposed or concerned: Get medical advice/attention. 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.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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
Cool containers exposed to flames with water until well after the fire is out.

General fire hazards
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

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. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Emergency personnel need self-contained breathing 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. 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. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. 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.

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. Ground and bond containers when transferring material. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before reintroducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

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.

8. Exposure controls/personal protection

Occupational exposure limits

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

| Carbon Dioxide (CAS 124-38-9) | PEL | 9000 mg/m3 |
| Trichloroethylene (CAS 79-01-6) | Ceiling | 200 ppm |
| | TWA | 100 ppm |

US. OSHA Table Z-2 (29 CFR 1910.1000) Components Type Value

| Carbon Dioxide (CAS 124-38-9) | STEL | 30000 ppm |
| Trichloroethylene (CAS 79-01-6) | TWA | 5000 ppm |
| | STEL | 25 ppm |
| | TWA | 10 ppm |

US. ACGIH Threshold Limit Values Components Type Value

| Carbon Dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 |
| Trichloroethylene (CAS 79-01-6) | TWA | 30000 ppm |
**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichloroethylene (CAS 79-01-6)</td>
<td>TWA</td>
<td>9000 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25 ppm</td>
</tr>
</tbody>
</table>

**US. Workplace Environmental Exposure Level (WEEL) Guides**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Butylene Oxide (CAS 106-88-7)</td>
<td>TWA</td>
<td>5.9 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 ppm</td>
</tr>
</tbody>
</table>

**Biological limit values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichloroethylene (CAS 79-01-6)</td>
<td></td>
<td>Trichloroacetic</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>15 mg/l</td>
<td>acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 mg/l</td>
<td>Trichloroethanol</td>
<td>Blood</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>I, without</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>hydrolysis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate chemical resistant clothing. 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.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. 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**

Gas.

**Form**

Aerosol. Compressed gas.

**Color**

Not available.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

Not applicable estimated

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

188.96 °F (87.2 °C) estimated

**Flash point**

None estimated

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.
Upper/lower flammability or explosive limits

- Flammability limit - lower (%): 7.8 % estimated
- Flammability limit - upper (%): 52 % estimated
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure: 100 - 120 psig @ 70°F estimated

Other information
- Explosive properties: Not explosive.
- Oxidizing properties: Not oxidizing.
- Specific gravity: 1.516 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: Heat. 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: Causes serious eye irritation.
- Ingestion: Expected to be a low ingestion hazard.
- Symptoms related to the physical, chemical and toxicological characteristics: May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity: Narcotic effects.

Product | Species | Test Results
---|---|---
SOLVENT DEGREASER | | 
Acute | | 
Dermal | Rat | 
LD50 | 19701 mg/kg |
Inhalation | | 
LC50 | 1081 mg/l/4h |
Oral | | 
LD50 | Rat |
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1,2-Butylene Oxide (CAS 106-88-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
<td>1500 - 2950 mg/kg, 24 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.77 ml/kg, 24 Hours</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vapor</strong></td>
<td>Rat</td>
<td>&gt; 6.3 mg/l</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>Rat</td>
<td>1 - 1.58 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1100 μl/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3 ml/kg</td>
</tr>
<tr>
<td><strong>Trichloroethylene (CAS 79-01-6)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rat</td>
<td>19031 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Dog; Mouse; Rabbit; Rat</td>
<td>8450 ppm, 4 Hours</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>12500 ppm, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1044 mg/l/4h</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>Dog; Mouse; Rat</td>
<td>2900 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**
Causes serious eye irritation.

**Respiratory or skin sensitization**
Not a respiratory sensitizer.

**Skin sensitization**
This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**
Suspected of causing genetic defects.

**Carcinogenicity**
May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**
1,2-Butylene Oxide (CAS 106-88-7) 2B Possibly carcinogenic to humans.
Trichloroethylene (CAS 79-01-6) If <1L: Consumer Commodity Carcinogenic to humans.

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**
Trichloroethylene (CAS 79-01-6) Reasonably Anticipated to be a Human Carcinogen.

**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**
Not likely, due to the form of the product.

**Chronic effects**
Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. Ecological information**
**Ecotoxicity**
Harmful to aquatic life with long lasting effects.
### Product Species Test Results

**SOLVENT DEGREASER**

**Aquatic**
- Crustacea: EC50 Daphnia 2.2775 mg/L, 48 Hours
- Fish: LC50 Fish 42.333 mg/L, 96 Hours

**Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Butylene Oxide (CAS 106-88-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>IC50</td>
<td>Algae 500 mg/L, 72 Hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia 69.8 mg/L, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish 160, 96 Hours</td>
</tr>
<tr>
<td>Trichloroethylene (CAS 79-01-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia 2.2 mg/L, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish 40.8933, 96 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flagfish (Jordanella floridae)</td>
</tr>
</tbody>
</table>

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

### Bioaccumulative potential

**Partition coefficient n-octanol / water (log Kow)**

- Trichloroethylene: 2.61

### 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**

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, non-flammable, (each not exceeding 1 L capacity)
- **Transport hazard class(es)**
  - **Class**: 2.2
  - **Subsidiary risk**: -
  - **Label(s)**: 2.2
- **Packing group**: Not applicable.
- **Special precautions for user**
  - Read safety instructions, SDS and emergency procedures before handling.
- **Packaging exceptions**: 306
- **Packaging non bulk**: None
- **Packaging bulk**: None

**IATA**

- **UN number**: UN1950
UN proper shipping name: Aerosols, non-flammable

Transport hazard class(es):
- Class: 2.2
- Subsidiary risk: -
- Label(s): 2.2

Packing group: Not applicable.
Environmental hazards: No.
ERG Code: 2L

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

Label(s): 2.2

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: 2.2
- Subsidiary risk: -
- Label(s): 2.2

Packing group: Not applicable.
Environmental hazards:
- Marine pollutant: No.
- EmS: Not available.

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

Packaging Exceptions: LTD QTY

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

DOT

IATA; IMDG

General information:
Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.
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)**

- 1,2-Butylene Oxide (CAS 106-88-7) Listed.
- Trichloroethylene (CAS 79-01-6) Listed.

**SARA 304 Emergency release notification**

Not regulated.


Not regulated.

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

**Hazard categories**

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

**SARA 302 Extremely hazardous substance**

Not listed.

**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>Trichloroethylene</td>
<td>79-01-6</td>
<td>90 - 100</td>
</tr>
<tr>
<td>1,2-Butylene Oxide</td>
<td>106-88-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

- 1,2-Butylene Oxide (CAS 106-88-7)
- Trichloroethylene (CAS 79-01-6)

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

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**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))**

- 1,2-Butylene Oxide (CAS 106-88-7)
- Trichloroethylene (CAS 79-01-6)

**US. Massachusetts RTK - Substance List**

- 1,2-Butylene Oxide (CAS 106-88-7)
- Carbon Dioxide (CAS 124-38-9)
- Trichloroethylene (CAS 79-01-6)

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

- 1,2-Butylene Oxide (CAS 106-88-7)
- Carbon Dioxide (CAS 124-38-9)
- Trichloroethylene (CAS 79-01-6)

**US. Pennsylvania Worker and Community Right-to-Know Law**

- 1,2-Butylene Oxide (CAS 106-88-7)
- Carbon Dioxide (CAS 124-38-9)
- Trichloroethylene (CAS 79-01-6)

**US. Rhode Island RTK**

- 1,2-Butylene Oxide (CAS 106-88-7)
- Trichloroethylene (CAS 79-01-6)
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
Trichloroethylene (CAS 79-01-6) Listed: April 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Trichloroethylene (CAS 79-01-6) Listed: Jan 31, 2014

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
Trichloroethylene (CAS 79-01-6) Listed: Jan 31, 2014

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>Yes</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 06-11-2015
Revision date 11-14-2016
Version # 08

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