1. Identification

Product number: FC1107
Product identifier: MAXIM SELF FOAMING BASEBOARD STRIPPER
Revision date: 03-25-2015
Company information: MIDLAB
140 PRIVATE BRAND WAY
ATHENS, TN 37303 United States
Company phone: General Assistance 423-337-3180
Emergency telephone US: 1-866-836-8855
Emergency telephone outside US: 1-952-852-4646
Version #: 07
Supersedes date: 10-11-2014
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
Serious eye damage/eye irritation Category 2
Environmental hazards: Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 3
OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
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. Wear protective gloves. Wear eye/face protection.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal: Not available.

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

3. Composition/information on ingredients

Mixtures
**Chemical name** | **Common name and synonyms** | **CAS number** | **%**
--- | --- | --- | ---
Water |  | 7732-18-5 | 60 - 80
2-Butoxyethanol |  | 111-76-2 | 20 - 40
Butane |  | 106-97-8 | 2.5 - 10
Alkyl Phenol Ethoxylate Phosphate Ester |  | 68412-53-3 | 1 - 2.5
Propane |  | 74-98-6 | 1 - 2.5
Anhydrous Ammonia |  | 7664-41-7 | 0.1 - 1
Bentone EW Rheological Additive |  | 12173-47-6 | 0.1 - 1
EDTA Tertrasodium Salt |  | 64-02-8 | 0.1 - 1
Ethylene Glycol |  | 107-21-1 | 0.1 - 1
Nonylphenol Ethoxylates, Branched |  | 68412-54-4 | 0.1 - 1
Pine Oil |  | 8002-09-3 | 0.1 - 1
Sodium Hydroxide |  | 1310-73-2 | 0.1 - 1

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

### 4. First-aid measures

**Inhalation**
If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Skin contact**
Take off immediately all contaminated clothing. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash clothing separately 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.

**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**
May cause allergic skin reaction. 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**
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. Water fog. Dry chemical 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. Keep out of low areas. Eliminate all ignition sources (no smoking, flames, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. 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). 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. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. 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

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. Avoid contact with skin, eyes and clothing. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. 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.
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 in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US, OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>PEL</td>
<td>240 mg/m3</td>
</tr>
<tr>
<td>Anhydrous Ammonia (CAS 7664-41-7)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Sodium Hydroxide (CAS 1310-73-2)</td>
<td>PEL</td>
<td>1800 mg/m3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US, ACGIH Threshold Limit Values Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Anhydrous Ammonia (CAS 7664-41-7)</td>
<td>STEL</td>
<td>35 ppm</td>
<td></td>
</tr>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>TWA</td>
<td>25 ppm</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol (CAS 107-21-1)</td>
<td>STEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide (CAS 1310-73-2)</td>
<td>Ceiling</td>
<td>2 mg/m3</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>
9. Physical and chemical properties

**Appearance**
- **Physical state**: Gas.
- **Form**: Aerosol.

**Biological limit values**

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Components</th>
<th>Indices Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>200 mg/g</td>
<td>Butoxyacetic acid (BAA), with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

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

**Exposure guidelines**

- **US - California OELs: Skin designation**
  - 2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

- **US - Minnesota Haz Subs: Skin designation applies**
  - 2-Butoxyethanol (CAS 111-76-2) Skin designation applies.

- **US - Tennessee OELs: Skin designation**
  - 2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

- **US NIOSH Pocket Guide to Chemical Hazards: Skin designation**
  - 2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

- **US - OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**
  - 2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. 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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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

- **Eye/face protection**
  - If contact is likely, safety glasses with side shields are recommended.

- **Hand protection**
  - Wear appropriate chemical resistant gloves.

- **Skin protection**
  - Wear appropriate chemical resistant clothing.

- **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**

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.

Odor: Solvent.

Odor threshold: Not available.

pH: 11.5 - 12.5

Melting point/freezing point: Not available.

Initial boiling point and boiling range: 189.02 °F (87.24 °C) estimated

Flash point: -156.0 °F (-104.4 °C) Propellant estimated

Evaporation rate: Not available.

Flammability: Not available.

Upper/lower flammability or explosive limits:
- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure: 55 - 75 psig @ 25C 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: 446 °F (230 °C) estimated

Decomposition temperature: Not available.

Viscosity: Not available.

Other information:
- Specific gravity: 0.912 estimated

10. Stability and reactivity
Reactivity: Reacts violently with strong acids. This product may react with oxidizing agents.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials. Fire or intense heat may cause violent rupture of packages.


Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information
Information on likely routes of exposure:
- Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
- Inhalation: Prolonged inhalation may be harmful.
- Skin contact: Causes severe skin burns. May cause an allergic skin reaction.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

- Eye contact: Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics

Burning pain and severe corrosive skin damage. May cause allergic skin reaction. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Causes severe eye damage.

Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Expected to be a low hazard for usual industrial or commercial handling by trained personnel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td>Species</td>
</tr>
<tr>
<td>2-Butoxyethanol (CAS 111-76-2)</td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD100</td>
<td>Dog</td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td>Anhydrous Ammonia (CAS 7664-41-7)</td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
</tr>
<tr>
<td>LC50</td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Butane (CAS 106-97-8)</td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
</tr>
<tr>
<td>LC50</td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td>EDTA Tertrasodium Salt (CAS 64-02-8)</td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Ethylene Glycol (CAS 107-21-1)</td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
</tr>
</tbody>
</table>
Components | Species | Test Results
--- | --- | ---
Nonylphenol Ethoxylates, Branched (CAS 68412-54-4) |  |  
Acute Oral LD50 | Rat | 5000 mg/kg
Propane (CAS 74-98-6) |  |  
Acute Inhalation LC50 | Mouse | 1237 mg/l, 120 Minutes 52 %, 120 Minutes 1355 mg/l 658 mg/l/4h
Sodium Hydroxide (CAS 1310-73-2) |  |  
Acute Dermal LD50 | Rat | 1350 mg/kg
* Estimates for product may be based on additional component data not shown.
Skin corrosion/irritation Causes severe skin burns and eye damage.
Serious eye damage/eye irritation Causes serious eye damage.
Respiratory or skin sensitization Not a respiratory sensitizer. May cause an allergic skin reaction.
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 2-Butoxyethanol (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Not classified.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not an aspiration hazard. Not likely, due to the form of the product.
Chronic effects Prolonged inhalation may be harmful. May be harmful if absorbed through skin.
2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

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

Components | Species | Test Results
--- | --- | ---
2-Butoxyethanol (CAS 111-76-2) |  |  
Aquatic Fish LC50 | Inland silverside (Menidia beryllina) | 1250 mg/l, 96 hours
Anhydrous Ammonia (CAS 7664-41-7) |  |  
Aquatic Fish LC50 | Chinook salmon (Oncorhynchus tshawytscha) | 0.43 - 0.47 mg/l, 96 hours
Components | Species | Test Results
--- | --- | ---
**EDTA Tertrasodium Salt (CAS 64-02-8)**
Aquatic
Algae | IC50 | Algae | 1.01 mg/L, 72 Hours
Fish | LC50 | Bluegill (Lepomis macrochirus) | 472 - 500 mg/l, 96 hours
**Ethylene Glycol (CAS 107-21-1)**
Aquatic
Crustacea | EC50 | Daphnia | 46300 mg/L, 48 Hours
Fish | LC50 | Fathead minnow (Pimephales promelas) | 8050 mg/l, 96 hours
**Sodium Hydroxide (CAS 1310-73-2)**
Aquatic
Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 34.59 - 47.13 mg/l, 48 hours
Fish | LC50 | Fish | 45, 96 Hours

* 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)**
2-Butoxyethanol | 0.83
Butane | 2.89
Ethylene Glycol | -1.36
Propane | 2.36

**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**
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, (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. Read safety instructions, SDS and emergency procedures before handling.
- **Special provisions**: N82
- **Packaging exceptions**: 306
- **Packaging non bulk**: None
- **Packaging bulk**: None

---

Product name: 19 OZ MAXIM BASEBOARD STRIPPER LB 12PK
Product #: 1000010056  Version #: 07  Revision date: 03-25-2015  Issue date: 09-09-2014

SDS US

8 / 12
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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>2.1</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Label(s) Packing</td>
<td>2.1</td>
</tr>
<tr>
<td>group Environmental hazards</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>ERG Code</td>
<td>No.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>AEROSOLS</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>2.1</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Label(s) Packing</td>
<td>2.1</td>
</tr>
<tr>
<td>group Environmental hazards</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>No.</td>
</tr>
<tr>
<td>EmS</td>
<td>F-D, S-U</td>
</tr>
</tbody>
</table>

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- LTD QTY
- Not applicable.

DOT

- Flammable gas
- Not applicable
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)
Anhydrous Ammonia (CAS 7664-41-7) Listed.
Ethylene Glycol (CAS 107-21-1) Listed.
Sodium Hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification
Anhydrous Ammonia (CAS 7664-41-7) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
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, lower value</th>
<th>Threshold planning quantity, upper value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrous Ammonia</td>
<td>7664-41-7</td>
<td>100</td>
<td>500 lbs</td>
<td></td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>75-21-8</td>
<td>10</td>
<td>1000 lbs</td>
<td></td>
</tr>
</tbody>
</table>

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrous Ammonia</td>
<td>7664-41-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>107-21-1</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>123-91-1</td>
<td>0.01 - 0.1</td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>75-21-8</td>
<td>0.01 - 0.1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Ethylene Glycol (CAS 107-21-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Anhydrous Ammonia (CAS 7664-41-7)
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. Massachusetts RTK - Substance List
2-Butoxyethanol (CAS 111-76-2)
Anhydrous Ammonia (CAS 7664-41-7)
Butane (CAS 106-97-8)
Ethylene Glycol (CAS 107-21-1)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US. New Jersey Worker and Community Right-to-Know Act
2-Butoxyethanol (CAS 111-76-2)
Anhydrous Ammonia (CAS 7664-41-7)
Butane (CAS 106-97-8)
Ethylene Glycol (CAS 107-21-1)
Pine Oil (CAS 8002-09-3)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)
US. Pennsylvania Worker and Community Right-to-Know Law
2-Butoxyethanol (CAS 111-76-2)
Anhydrous Ammonia (CAS 7664-41-7)
Butane (CAS 106-97-8)
Ethylene Glycol (CAS 107-21-1)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

US. Rhode Island RTK
Anhydrous Ammonia (CAS 7664-41-7)
Butane (CAS 106-97-8)
Ethylene Glycol (CAS 107-21-1)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)

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
1,4-Dioxane (CAS 123-91-1) Listed: January 1, 1988
Ethylene Oxide (CAS 75-21-8) Listed: July 1, 1987

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Ethylene Oxide (CAS 75-21-8) Listed: August 7, 2009

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
Ethylene Oxide (CAS 75-21-8) Listed: February 27, 1987

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
Ethylene Oxide (CAS 75-21-8) 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>No</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 (NDSSL)</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>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ELCS)</td>
<td>No</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 09-09-2014
Revision date 03-25-2015
Version # 07

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.
Revision Information

Product and Company Identification: Alternate Trade Names
Composition / Information on Ingredients: Component Summary