SAFETY DATA SHEET

1. Identification
Product number 1000012732
Product identifier 8 OZ PRO-LUBE LB 12PK
Revision date 03-25-2016
Company information ADASEAL INTERNATIONAL INC.
5468 HWY 70 WEST
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 # 03
Supersedes date 12-29-2015
Recommended use Not available.
Recommended restrictions None known.

2. Hazard(s) identification
Physical hazards Not classified.
Health hazards Acute toxicity, oral Category 4
Serious eye damage/eye irritation Category 2
OSHA defined hazards Not classified.
Label elements

Signal word None.
Hazard statement Harmful if swallowed. Causes serious eye irritation.
Precautionary statement
Prevention Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection.
Response If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage Store away from incompatible materials.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 1
Hazardous to the aquatic environment, long-term hazard Category 1
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>Copper</td>
<td></td>
<td>7440-50-8</td>
<td>20 - 40</td>
</tr>
</tbody>
</table>
### Chemical name | Common name and synonyms | CAS number | %
--- | --- | --- | ---
Triethanolamine | | 102-71-6 | 20 - 40
Aluminum | | 7429-90-5 | 1 - 2.5
Graphite | | 7782-42-5 | 1 - 2.5
Crystalline Silica | | 14808-60-7 | 0.1 - 1
Diethanolamine | | 111-42-2 | 0.1 - 1
Mineral Spirits | | 8052-41-3 | 0.1 - 1

Other components below reportable levels | 40 - 60

*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. Call a physician if symptoms develop or persist.

#### Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

#### 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
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

#### Most important symptoms/effects, acute and delayed
Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### Indication of immediate medical attention and special treatment needed
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
Alcohol resistant foam. Dry powder. Dry sand. 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
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
Move containers from fire area if you can do so without risk.

#### Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards
No unusual fire or explosion hazards noted.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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
Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. 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
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.

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**

Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

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

Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

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)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (CAS 7429-90-5)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Respirable dust.</td>
<td></td>
</tr>
<tr>
<td>Copper (CAS 7440-50-8)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td>Mineral Spirits (CAS 8052-41-3)</td>
<td>PEL</td>
<td>1 mg/m³</td>
<td>Dust and mist.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m³</td>
<td>Fume.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2900 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000)</td>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.3 mg/m³</td>
<td>Total dust.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4mppcf</td>
<td>Respirable.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15mppcf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td>TWA</td>
<td>15 mppcf</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (CAS 7429-90-5)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Copper (CAS 7440-50-8)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Dust and mist.</td>
</tr>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.2 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Inhalable fraction and vapor.</td>
</tr>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Mineral Spirits (CAS 8052-41-3)</td>
<td>TWA</td>
<td>100 ppm</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine (CAS 102-71-6)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (CAS 7429-90-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Copper (CAS 7440-50-8)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Welding fume or pyrophoric powder.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Total.</td>
</tr>
<tr>
<td>Crystalline Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Dining mist.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 ppm</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td>TWA</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Mineral Spirits (CAS 8052-41-3)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>350 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**Biological limit values**

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

US - California OELs: Skin designation
Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation
Diethanolamine (CAS 111-42-2) 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. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection
Face shield is recommended. 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
Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Wash hands after handling and before eating. Keep away from food and drink.

9. Physical and chemical properties

Appearance
- Physical state: Liquid.
- Form: Liquid.
- Color: Not available.

Odor
- Odor threshold: Not available.
- pH: Not available.

Melting point/freezing point
- Not available.

Initial boiling point and boiling range
- 1822.01 °F (994.45 °C) estimated

Flash point
- 648.9 °F (342.7 °C) estimated

Evaporation rate
- Not available.

Flammability (solid, gas)
- Not applicable.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%): 1 % estimated
- Flammability limit - upper (%): Not available.
- Explosive limit - lower (%): Not available.
- Explosive limit - upper (%): Not available.

Vapor pressure
- 0.00001 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
- 998.6 °F (537 °C) estimated

Decomposition temperature
- Not available.

Viscosity
- Not available.
Other information

Explosive properties Not explosive.
Oxidizing properties Not oxidizing.
Specific gravity 2.845 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 Contact with incompatible materials.

Incompatible materials Peroxides. Phenols.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.
Skin contact Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact Causes serious eye irritation.

Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (CAS 7429-90-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Inhalation</td>
<td>Rat</td>
<td>&gt; 0.888 mg/l, 4 Hours 7.6 mg/l, If &lt;1L: Consumer Commodity Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Copper (CAS 7440-50-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Dermal</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg, 24 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Rat</td>
<td>&gt; 5.11 mg/l, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>481 mg/kg</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Oral</td>
<td>Rat</td>
<td>481 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>1100 mg/kg</td>
</tr>
<tr>
<td>Graphite (CAS 7782-42-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Inhalation</td>
<td>Rat</td>
<td>&gt; 2000 mg/m3, 4 Hours</td>
</tr>
</tbody>
</table>
Components | Species | Test Results
--- | --- | ---
**Oral**<br>LD50 | Rat | > 2000 mg/kg

**Triethanolamine (CAS 102-71-6)**

**Acute**

**Dermal**<br>LD50 | Rabbit | > 2000 mg/kg

**Oral**<br>LD50 | Rat | 6400 mg/kg

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

**Skin corrosion/irritation**<br>Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**<br>Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization**<br>Not a respiratory sensitizer.

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

**Germ cell mutagenicity**<br>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**<br>Risk of cancer cannot be excluded with prolonged exposure.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

- Crystalline Silica (CAS 14808-60-7) If <1L: Consumer Commodity Carcinogenic to humans.
- Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.
- Triethanolamine (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.


Not regulated.

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

Not listed.

**Reproductive toxicity**<br>This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

Not classified.

**Aspiration hazard**<br>Not an aspiration hazard.

**Chronic effects**<br>May be harmful if absorbed through skin. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

---

12. **Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aluminum (CAS 7429-90-5)</strong>&lt;br&gt;Aquatic&lt;br&gt;Fish</td>
<td>LC50</td>
<td>Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.16 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Copper (CAS 7440-50-8)</strong>&lt;br&gt;Aquatic&lt;br&gt;Algae</td>
<td>IC50</td>
<td>Algae 0 mg/L, 72 Hours</td>
</tr>
<tr>
<td><strong>Crustacea</strong>&lt;br&gt;Daphnia</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 0.036 mg/l, 48 hours</td>
</tr>
<tr>
<td><strong>Fish</strong>&lt;br&gt;Fathead minnow (Pimephales promelas)</td>
<td>LC50</td>
<td>0.0319 - 0.0544 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diethanolamine (CAS 111-42-2)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>IC50</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td><strong>Triethanolamine (CAS 102-71-6)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>IC50</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
</tr>
</tbody>
</table>

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

### Persistence and degradability

No data is available on the degradability of this product.

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>-1.43</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>3.16 - 7.15</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>-1</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

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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 regulations

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.

### 14. Transport information

#### DOT

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3082</td>
<td>Environmentally hazardous substances, liquid, n.o.s. (Copper, Aluminum)</td>
</tr>
</tbody>
</table>

#### Transport hazard class(es)

<table>
<thead>
<tr>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Label(s)</th>
<th>Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>-</td>
<td>9</td>
<td>III</td>
</tr>
</tbody>
</table>

#### Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

#### Special provisions

8, 146, 335, IB3, T4, TP1, TP29

#### Packaging exceptions

155

#### Packaging non bulk

203

#### Packaging bulk

241

#### IATA

<table>
<thead>
<tr>
<th>UN number</th>
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</tbody>
</table>

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<th>Subsidiary risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>-</td>
</tr>
</tbody>
</table>
Label(s): 9
Packing group: III
Environmental hazards: Yes
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions: 155

IMDG
UN number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper, Aluminum)

Transport hazard class(es):
- Class: 9
- Subsidiary risk: -
- Label(s): 9
- Packing group: III
- Environmental hazards: Yes
- Marine pollutant: Yes

EmS: F-A, S-F

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

Not established.

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

Marine pollutant

General information: IMDG Regulated Marine Pollutant.

15. Regulatory information

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

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

CERCLA Hazardous Substance List (40 CFR 302.4)
- Copper (CAS 7440-50-8) Listed.
- Diethanolamine (CAS 111-42-2) Listed.

SARA 304 Emergency release notification
Not regulated.

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

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- 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>Copper</td>
<td>7440-50-8</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- Diethanolamine (CAS 111-42-2)

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))
- Aluminum (CAS 7429-90-5)
- Copper (CAS 7440-50-8)
- Crystalline Silica (CAS 14808-60-7)
- Diethanolamine (CAS 111-42-2)
- Mineral Spirits (CAS 8052-41-3)

US. Massachusetts RTK - Substance List
- Aluminum (CAS 7429-90-5)
- Copper (CAS 7440-50-8)
- Crystalline Silica (CAS 14808-60-7)
- Diethanolamine (CAS 111-42-2)
- Graphite (CAS 7782-42-5)
- Mineral Spirits (CAS 8052-41-3)
- Triethanolamine (CAS 102-71-6)

US. New Jersey Worker and Community Right-to-Know Act
- Aluminum (CAS 7429-90-5)
- Copper (CAS 7440-50-8)
- Crystalline Silica (CAS 14808-60-7)
- Diethanolamine (CAS 111-42-2)
- Graphite (CAS 7782-42-5)
- Mineral Spirits (CAS 8052-41-3)
- Triethanolamine (CAS 102-71-6)

US. Pennsylvania Worker and Community Right-to-Know Law
- Aluminum (CAS 7429-90-5)
- Copper (CAS 7440-50-8)
- Crystalline Silica (CAS 14808-60-7)
- Diethanolamine (CAS 111-42-2)
- Graphite (CAS 7782-42-5)
- Mineral Spirits (CAS 8052-41-3)
- Triethanolamine (CAS 102-71-6)

US. Rhode Island RTK
- Aluminum (CAS 7429-90-5)
- Copper (CAS 7440-50-8)
- Diethanolamine (CAS 111-42-2)
US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

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 (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>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

16. Other information, including date of preparation or last revision

| Issue date   | 08-03-2015 |
| Revision date| 03-25-2016 |
| Version #    | 03         |

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.

Revision information
This document has undergone significant changes and should be reviewed in its entirety.