SAFETY DATA SHEET

1. Identification

- **Product identifier**: Rem All In®
- **Other means of identification**
  - SDS number: 55684
  - Part No.: 55684, 55685
  - Tariff code: 3402.90.5030
- **Recommended use**: Cleaner & Polish
- **Recommended restrictions**: None known.

Manufacturer/Importer/Supplier/Distributor information

- **Manufacturer**
  - **Company name**: Remington Outdoor Company
  - **Address**: 870 Remington Drive
  - **Telephone**: Information Phone 800-243-9700
  - **E-mail**: Not available.
  - **Emergency phone number**: Emergency Phone 708-598-7100

2. Hazard(s) identification

- **Physical hazards**: Not classified.
- **Health hazards**
  - Skin corrosion/irritation: Category 2
  - Serious eye damage/eye irritation: Category 1
  - Sensitization, skin: Category 1
  - Carcinogenicity: Category 1A
  - Specific target organ toxicity, repeated exposure: Category 1
- **Environmental hazards**
  - Hazardous to the aquatic environment, acute hazard: Category 1
  - Hazardous to the aquatic environment, long-term hazard: Category 1
- **OSHA defined hazards**: Not classified.

Label elements

- **Signal word**: Danger
- **Hazard statement**: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause cancer. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement

- **Prevention**: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
- **Response**: If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
- **Storage**: Store locked up.
Disposal

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

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

31.58% of the mixture consists of component(s) of unknown acute oral toxicity. 36.83% of the mixture consists of component(s) of unknown acute dermal toxicity. 59.53% of the mixture consists of component(s) of unknown acute inhalation toxicity. 57.37% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 57.37% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water</td>
<td>7732-18-5</td>
<td>30 - &lt; 40</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fullers Earth</td>
<td>8031-18-3</td>
<td>20 - &lt; 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>10 - &lt; 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tripropylene Glycol Monomethyl Ether</td>
<td>25498-49-1</td>
<td>5 - &lt; 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>3 - &lt; 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oleic Acid</td>
<td>112-80-1</td>
<td>3 - &lt; 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Poly(oxyethylene) Sorbitol Hexaoleate</td>
<td>57171-56-9</td>
<td>1 - &lt; 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quartz [silica Crystalline]</td>
<td>14808-60-7</td>
<td>1 - &lt; 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cellulose, 2-hydroxypropyl Methyl Ester</td>
<td>9004-65-3</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morpholine</td>
<td>110-91-8</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sodium Nitrite</td>
<td>7632-00-0</td>
<td>&lt; 0.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other components below reportable levels</td>
<td></td>
<td>&lt; 1</td>
<td></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**

Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. 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 immediately.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

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

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. 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**

**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. Wash contaminated clothing before reuse.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Alcohol resistant foam. Dry 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
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 breathe mist or vapor. 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
This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. 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
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Store locked up. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**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>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine (CAS 110-91-8)</td>
<td>PEL</td>
<td>70 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Quartz [silica Crystalline] (CAS 14808-60-7)</td>
<td>PEL</td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz [silica Crystalline] (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mppcf</td>
<td>Respirable.</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>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Inhalable fraction and vapor.</td>
</tr>
<tr>
<td>Morpholine (CAS 110-91-8)</td>
<td>TWA</td>
<td>20 ppm</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>Quartz [silica Crystalline] (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</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>Diethanolamine (CAS 111-42-2)</td>
<td>TWA</td>
<td>15 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Morpholine (CAS 110-91-8)</td>
<td>STEL</td>
<td>105 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>70 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Quartz [silica Crystalline] (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</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)
- Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

- Morpholine (CAS 110-91-8)

Skin designation applies.

US - Tennessee OELs: Skin designation

- Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

- Diethanolamine (CAS 111-42-2)
- Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

- Morpholine (CAS 110-91-8)

Can be absorbed through the skin.

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

- Morpholine (CAS 110-91-8)

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 and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece. Applicable for industrial settings only.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Applicable for industrial settings only.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Applicable for industrial settings only.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded. Applicable for industrial settings only.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance: Liquid Opaque
### Physical state
- Form: Liquid.
- Color: Beige.

### Odor
- Odor: Amine-like.
- Odor threshold: Not available.
- pH: Not available.

### Melting point/freezing point
- Melting point/freezing point: 68.9 °F (20.5 °C) estimated

### Initial boiling point and boiling range
- Initial boiling point and boiling range: 575 °F (301.67 °C) estimated

### Flash point
- Flash point: 329.8 °F (165.5 °C) estimated

### Evaporation rate
- Evaporation rate: Not available.
- Flammability (solid, gas): Not applicable.

### 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
- Vapor pressure: 0.004 hPa estimated

### Vapor density
- Vapor density: Not available.

### Relative density
- Relative density: Not available.

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

### Auto-ignition temperature
- Auto-ignition temperature: Not available.

### Decomposition temperature
- Decomposition temperature: Not available.

### Viscosity
- Viscosity: Not available.

### Other information
- Density: 9.6 lbs/gal
- Explosive properties: Not explosive.
- Flammability class: Combustible IIIB estimated
- Oxidizing properties: Not oxidizing.
- Percent volatile: 38.1 % estimated
- Specific gravity: 1.04871 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**: No dangerous reaction known under conditions of normal use.
- **Conditions to avoid**: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

Causes skin irritation. May cause an allergic skin reaction. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact

Causes serious eye damage. Expected to be a low ingestion hazard.

Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

Not known.

Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Morpholine (CAS 110-91-8)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Oleic Acid (CAS 112-80-1)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>Guinea pig</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Sodium Chloride (CAS 7647-14-5)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Sodium Nitrite (CAS 7632-00-0)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Triethanolamine (CAS 102-71-6)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Rat</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization

Not a respiratory sensitizer.

Skin sensitization

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

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.
Morpholine (CAS 110-91-8) 3 Not classifiable as to carcinogenicity to humans.
Quartz [silica Crystalline] (CAS 14808-60-7) 1 Carcinogenic to humans.
Triethanolamine (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Quartz [silica Crystalline] (CAS 14808-60-7) Cancer

US. National Toxicology Program (NTP) Report on Carcinogens
Quartz [silica Crystalline] (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity
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
Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
Not an aspiration hazard.

Chronic effects
Causes damage to organs through prolonged or repeated exposure. 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. Ecological information

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>Diethanolamine (CAS 111-42-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Ceriodaphnia dubia)</td>
<td>61.8 - 86.04 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>100 mg/l, 96 hours</td>
</tr>
<tr>
<td>Morpholine (CAS 110-91-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Zebra danio (Danio rerio)</td>
<td>&gt; 1 mg/l, 96 hours</td>
</tr>
<tr>
<td>Oleic Acid (CAS 112-80-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>205 mg/l, 96 hours</td>
</tr>
<tr>
<td>Sodium Chloride (CAS 7647-14-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>340.7 - 469.2 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>6020 - 7070 mg/l, 96 hours</td>
</tr>
<tr>
<td>Sodium Nitrite (CAS 7632-00-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Greasyback shrimp (Metapenaeus ensis)</td>
<td>16.14 - 26.61 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Rainbow trout,donaldson trout (Oncorhynchus mykiss)</td>
<td>0.15 - 0.25 mg/l, 96 hours</td>
</tr>
<tr>
<td>Triethanolamine (CAS 102-71-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Ceriodaphnia dubia)</td>
<td>565.2 - 658.3 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>10610 - 13010 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
</tr>
<tr>
<td>Morpholine</td>
</tr>
<tr>
<td>Triethanolamine</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 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.

### 14. Transport information

**DOT**

- **UN number**: Not available.
- **UN proper shipping name**: Consumer commodity, MARINE POLLUTANT
- **Transport hazard class(es)**
  - **Class**: ORM-D
  - **Subsidiary risk**: -
  - **Label(s)**: None
  - **Packing group**: Not available.
  - **Environmental hazards**: Marine pollutant (Yes)
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
  - **Packaging exceptions**: 156, 306
  - **Packaging non bulk**: 156, 306
  - **Packaging bulk**: None

**IATA**

- **UN number**: UN3082
- **UN proper shipping name**: Environmentally hazardous substance, liquid, n.o.s.
- **Transport hazard class(es)**
  - **Class**: 9
  - **Subsidiary risk**: -
  - **Packing group**: III
  - **Environmental hazards**: Yes
  - **ERG Code**: 9L
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
  - **Other information**: Allowed with restrictions.

**IMDG**

- **UN number**: UN3082
- **UN proper shipping name**: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT
- **Transport hazard class(es)**
  - **Class**: 9
  - **Subsidiary risk**: -
  - **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.
  - **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**: Not established.

**Other information**

- **Passenger and cargo aircraft**: Allowed with restrictions.
- **Cargo aircraft only**: Allowed with restrictions.
IATA; IMDG

Marine pollutant

General information
IMDG Regulated Marine Pollutant. DOT 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)
Sodium Nitrite (CAS 7632-00-0) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)
Diethanolamine (CAS 111-42-2) Listed.
Morpholine (CAS 110-91-8) Listed.
Sodium Nitrite (CAS 7632-00-0) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Quartz [silica Crystalline] (CAS 14808-60-7) Cancer
lung effects
immune system effects
kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No (Exempt)

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>3 - &lt; 5</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

California Proposition 65

**WARNING:** This product can expose you to chemicals including Diethanolamine, which is known to the State of California to cause cancer, and 2-methoxyethanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**
- Diethanolamine (CAS 111-42-2) Listed: June 22, 2012
- Quartz [silica Crystalline] (CAS 14808-60-7) Listed: October 1, 1988

**California Proposition 65 - CRT: Listed date/Developmental toxin**
- 2-methoxyethanol (CAS 109-86-4) Listed: January 1, 1989

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**
- 2-methoxyethanol (CAS 109-86-4) Listed: January 1, 1989

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**
- Diethanolamine (CAS 111-42-2)
- Quartz [silica Crystalline] (CAS 14808-60-7)

**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>No</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>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</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:** 05-26-2015
- **Revision date:** 04-12-2019
- **Version #:** 02
- **HMIS® ratings**
  - Health: 3*
  - Flammability: 0
  - Physical hazard: 0
- **NFPA ratings**
  - Health: 3
  - Flammability: 0
  - Instability: 0

**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

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