



Safety Data Sheet

Clearal BD-447

1. IDENTIFICATION

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|-----------------------------|---|
| Product name | Clearal BD-447 |
| Description | Aqueous surfactant solution |
| Product class | Cooling Water |
| Supplier address | 166 Commerce Dr. Stoystown, PA 15563 |
| Telephone numbers | |
| <u>Company Phone Number</u> | (814) 629-7118 |
| <u>Emergency Telephone</u> | CHEMTREC 800-424-9300 |

2. HAZARDS IDENTIFICATION

| | |
|--------------------------------------|---|
| Hazard classification | Not hazardous pursuant to 29 CFR 1910.1200. |
| Signal word | None |
| Hazard statements | None |
| Pictograms of related hazards | None |
| Precautionary statements | |

Prevention

Read label before use.
 Wash skin thoroughly after handling.
 Wear protective gloves, protective clothing, eye protection, and face protection.

Response

IF SWALLOWED: Contact a POISON CENTER or health care provider if you feel unwell.
 IF ON SKIN: Wash with soap and water.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents and container in accordance with local, state, and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | Weight % |
|--|-------------|----------|
| Poly[oxyethylene (dimethylimino) ethylene (dimethylimino) ethylene dichloride] | 31075-24-8 | 10-20 |
| Non-hazardous substances | Proprietary | >80 |

4. FIRST-AID MEASURES

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|-------------------------------------|--|
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Remove contact lenses if present and easy to do, then resume rinsing. Get medical attention immediately. |
| Skin contact | Immediately remove all contaminated clothing. Rinse with copious amounts of water; use an emergency shower if available. Wash contaminated clothing before reuse. |
| Ingestion | If swallowed, DO NOT induce vomiting. Rinse mouth and get emergency medical attention. Do not give anything by mouth unless instructed to do so by a poison center or health care provider. |
| Inhalation | If inhaled, move victim to fresh air. Seek emergency medical attention if breathing is difficult; perform artificial respiration if breathing stops. |
| Note to health care provider | No specific information; treat symptomatically. |

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Suitable extinguishing media | Use extinguishing media appropriate for the surrounding fire. |
| Unsuitable extinguishing media | No information available |
| Protective equipment and precautions for firefighters | Stay upwind of the fire. Full protective equipment including self-contained breathing apparatus should be used. Use water to cool closed containers. Contain water runoff if possible. |
| Specific hazards | Combustion may produce toxic gases. |
| Hazardous combustion products | Carbon oxides |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions | Evacuate the area of all non-essential personnel. Do not touch spilled material without proper protective equipment. Ventilate the area and mitigate further release if it is safe to do so. Avoid contact with eyes. |
| Methods for clean-up | |
| <u>Small spills</u> | Contain spill and soak up with an inert absorbent material and place residues in a properly labeled container for disposal. Avoid discharge into sewer or surface water. |
| <u>Large spills</u> | Contain spill using trenches, diking, or absorption with an inert material (i.e. sand or earth). Reclaim spilled material into recovery or salvage drums or tank truck for proper disposal. |

7. HANDLING AND STORAGE

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|--------------------------------|---|
| Advice on safe handling | Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash hands thoroughly after handling. |
|--------------------------------|---|

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| Storage conditions | Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use. |
| Suitable materials of construction | No information available |
| Unsuitable materials of construction | No information available |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---------------------------------------|---|
| Eye/face protection | Chemical splash goggles |
| Skin protection | Chemical-resistant gloves and body-covering clothing |
| Respiratory protection | Respiratory protection is not normally required. A respirator is recommended if significant mists, vapors, or aerosols are generated. |
| Engineering controls | Adequate ventilation, eye-wash station, and emergency shower |
| General hygiene considerations | Do not eat, drink, or smoke while handling this product. |

| Chemical Name | OSHA PEL | ACGIH TLV |
|--|------------------|------------------|
| Poly[oxyethylene (dimethylimino) ethylene (dimethylimino) ethylene dichloride] | None established | None established |
| Non-hazardous substances | None established | None established |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--------------------------------|
| pH | 5.0-9.0 |
| Appearance | Clear colorless liquid |
| Odor | Mild |
| Odor Threshold | No information available |
| Melting/freezing point | 37.4°F (3.0°C) [Reconstitutes] |
| Initial boiling point/boiling range | No information available |
| Flash point | No information available |
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Upper/lower flammability or explosive limits | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| VOC content | No information available |
| Specific gravity | 0.980-1.060 |
| Solubility | Complete |
| Partition coefficient n-octanol/water | No information available |
| Auto-ignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity | No information available |

10. STABILITY AND REACTIVITY

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|---|---|
| Chemical stability | Stable under normal conditions of storage and handling. |
| Hazardous polymerization | Polymerization will not occur. |
| Conditions to avoid | Extreme temperatures, incompatibilities |
| Incompatibilities | Strong oxidizers |
| Hazardous decomposition products | No known non-thermal decomposition hazards |

11. TOXICOLOGICAL INFORMATION

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|-----------------------------------|--|
| Likely routes of exposure | Skin, eyes, ingestion |
| Acute symptoms and effects | |
| Eye | Eye irritation with or without pain, burning, itching, redness, discharge, and serious eye damage. |
| Skin | Skin irritation with or without pain, burning, itching, redness, and swelling. Symptoms may be exacerbated by open wounds, excoriations, rashes, or other skin breaches. |
| Ingestion | Gastrointestinal distress with or without nausea, vomiting, bloating, gas, and diarrhea. |
| Inhalation | Upper respiratory irritation with or without cough, watering of the eyes, and postnasal drip. |
| Reproductive effects | No information available |
| Teratogenicity | No information available |
| Mutagenicity | No information available |
| Embryotoxicity | No information available |
| Sensitization to product | No information available |
| Synergistic products | No information available |
| Carcinogenicity | No components have been identified as carcinogenic by OSHA, NTP, or IARC. |
| Chronic | No information available |

12. ECOLOGICAL INFORMATION**Aquatic toxicity**

| | |
|---------------------------------------|-----------|
| 48-hr EC ₅₀ , Daphna Magna | >667 mg/L |
|---------------------------------------|-----------|

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|----------------------------------|--------------------------|
| Persistence | No information available |
| Bioaccumulative potential | No information available |
| Mobility | No information available |

13. DISPOSAL CONSIDERATIONS

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|--------------------|---|
| Disposal | Dispose of in accordance with federal, state, and local regulations. |
| RCRA status | Discarded product, as sold, would not be considered a RCRA Hazardous Waste. |

14. TRANSPORT INFORMATION

US Department of Transportation (DOT)

UN Number

Proper shipping name Not regulated

Primary hazard class/division

Secondary hazard

Packing group

Label

15. REGULATORY INFORMATION

OSHA Hazard Communication Status Not hazardous pursuant to 29 CFR 1910.1200.

EPA Registration Number Not applicable

TSCA The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA

EPA Hazardous Substances (40 CFR 302)

| Chemical Name | Reportable Quantity (RQ) |
|--|--------------------------|
| Poly[oxyethylene (dimethylimino) ethylene (dimethylimino) ethylene dichloride] | None |
| Non-hazardous substances | None |

SARA Title III (Sections 302, 311, 312, and 313)

Section 302 Extremely Hazardous Substances (40 CFR 355)

| Chemical Name | CAS# | RQ | TPQ |
|---------------|------|----|-----|
| None | | | |

Section 311 and 312 Health and Physical Hazards

| Immediate | Delayed | Fire | Pressure | Reactivity |
|-----------|---------|------|----------|------------|
| No | No | No | No | No |

Section 313 Toxic Chemicals (40 CFR 372)

| Chemical Name | CAS Number | Percent by Weight |
|---------------|------------|-------------------|
| None | | |

16. OTHER INFORMATION

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|-------------------------------|--|
| HMIS Ratings | Health—1; Flammability—0; Reactivity—0 |
| NFPA Ratings | Health—1; Flammability—0; Reactivity—0 |
| HMIS/NFPA Rating Scale | Minimal—0; Slight—1; Moderate—2; Serious—3; Severe—4 |
| SDS Issue Date | 4/26/2018 |
| Version | 1 |

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