



Revision Number: 004.4

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** BONDERITE C-NE DR 238 G NEUTRAL DERUSTER known as DR 238G  
**Product type:** Rust dissolver  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**IDH number:** 594291  
**Region:** United States  
**Contact information:**  
 Telephone: +1 (860) 571-5100  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: www.henkeln.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

NOT CLASSIFIED. READ ENTIRE SAFETY DATA SHEET.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------|-----------------|
| None         | None            |

### PICTOGRAM(S)

None

### Precautionary Statements

**Prevention:** Not prescribed  
**Response:** Not prescribed  
**Storage:** Not prescribed  
**Disposal:** Not prescribed

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)                                  | CAS Number | Percentage* |
|---|------------|-------------|
| (1-hydroxyethylidene)bisphosphonic acid, potassium salt | 67953-76-8 | 30 - 40     |
| Dipotassium phosphonate                                 | 13492-26-7 | 1 - 5       |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

|                            |   |
|----------------------------|---|
| <b>Inhalation:</b>         | If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.           |
| <b>Skin contact:</b>       | Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.                       |
| <b>Eye contact:</b>        | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If symptoms develop and persist, get medical attention. |
| <b>Ingestion:</b>          | Get immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.  |
| <b>Symptoms:</b>           | See Section 11.   |
| <b>Notes to physician:</b> | Treat symptomatically and supportively.   |

#### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Use media appropriate for surrounding material.  |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b> | This product is an aqueous mixture which will not burn.                                      |
| <b>Hazardous combustion products:</b>     | Irritating and toxic gases or fumes may be released during a fire. Oxides of sulfur.         |

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Prevent further leakage or spillage if safe to do so. Wear suitable protective clothing, gloves and eye/face protection.  |
| <b>Clean-up methods:</b>          | Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. |

#### 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Provide adequate ventilation. Wash thoroughly after handling. Do not take internally. For industrial use only. |
| <b>Storage:</b>  | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Manufacturer recommends storing above 4.4 °C (40 °F). Thaw and mix thoroughly if frozen.               |

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s)                                  | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|---|-----------|----------|-----------|-------|
| (1-hydroxyethylidene)bisphosphonic acid, potassium salt | None      | None     | None      | None  |
| Dipotassium phosphonate                                 | None      | None     | None      | None  |

|                                |  |
|--------------------------------|--|
| <b>Engineering controls:</b>   | Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.        |
| <b>Respiratory protection:</b> | If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.      |
| <b>Eye/face protection:</b>    | Wear chemical goggles; face shield (if splashing is possible).   |
| <b>Skin protection:</b>        | Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                          |
|---|--------------------------|
| <b>Physical state:</b>                          | Liquid                   |
| <b>Color:</b>                                   | Pale yellow              |
| <b>Odor:</b>                                    | Bland                    |
| <b>Odor threshold:</b>                          | Not available.           |
| <b>pH:</b>                                      | 6.45                     |
| <b>Vapor pressure:</b>                          | Not determined           |
| <b>Boiling point/range:</b>                     | 212 °F (100°C)None       |
| <b>Melting point/ range:</b>                    | Not available.           |
| <b>Specific gravity:</b>                        | 1.350 at 24 °C (75.2 °F) |
| <b>Vapor density:</b>                           | Not determined           |
| <b>Flash point:</b>                             | 100 °C (212°F) None      |
| <b>Flammable/Explosive limits - lower:</b>      | Not applicable           |
| <b>Flammable/Explosive limits - upper:</b>      | Not applicable           |
| <b>Autoignition temperature:</b>                | Not available.           |
| <b>Flammability:</b>                            | Not applicable           |
| <b>Evaporation rate:</b>                        | Not available.           |
| <b>Solubility in water:</b>                     | fully soluble            |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.           |
| <b>VOC content:</b>                             | Not available.           |
| <b>Viscosity:</b>                               | Not available.           |
| <b>Decomposition temperature:</b>               | Not available.           |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable at normal conditions.   |
| <b>Hazardous reactions:</b>              | None under normal processing.  |
| <b>Hazardous decomposition products:</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of sulfur. |
| <b>Incompatible materials:</b>           | This product may react with strong oxidizing agents. This product may react with strong reducing agents.                           |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Store away from incompatible materials.  |

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system.  
**Skin contact:** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.  
**Eye contact:** This product may be severely irritating to the eyes.  
**Ingestion:** Ingestion of this product may cause nausea, vomiting and diarrhea.

| Hazardous Component(s)                                  | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|-----------------|--------------------------------------|
| (1-hydroxyethylidene)bisphosphonic acid, potassium salt | None            | No Records                           |
| Dipotassium phosphonate                                 | None            | No Target Organs                     |

| Hazardous Component(s)                                  | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| (1-hydroxyethylidene)bisphosphonic acid, potassium salt | No             | No              | No                                       |
| Dipotassium phosphonate                                 | No             | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** No data available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### Water Transportation (IMO/IMDG)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

|   |   |
|---|---|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. |
| <b>TSCA 12 (b) Export Notification:</b> | None above reporting de minimis   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None above reporting de minimis.  |
| <b>CERCLA/SARA Section 311/312:</b>     | Immediate Health  |
| <b>CERCLA/SARA Section 313:</b>         | None above reporting de minimis.  |
| <b>California Proposition 65:</b>       | No California Proposition 65 listed chemicals are known to be present.                              |

### Canada Regulatory Information

|                              |   |
|------------------------------|---|
| <b>CEPA DSL/NDSL Status:</b> | Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details. |
|------------------------------|---|

## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** Cheryl Neason, Regulatory Affairs Specialist

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