BLUE CARDINAL
• CHEMICAL •

# SAFETY DATA SHEET

**Issue Date** 11/22/2021 **Revision Date** 11/23/2021 **Version** 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Purple Heat

**Other means of identification**

**Product Code** 7065

**Recommended use of the chemical and restrictions on use**

**Recommended use** Industrial Drain Opener

**Uses Advised Against** For industrial and institutional use only.

**Details of the supplier of the safety data sheet**

**Company Name**

Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

**Emergency telephone number**

**Emergency Telephone** CHEMTEL 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

**Classification**

**GHS CLASSIFICATIONS**

| | |
|---|---|
| Acute Toxicity (Oral) | Category 3 |
| Acute Toxicity (Dermal) | Category 3 |
| Acute Toxicity (Inhalation) | Category 4 |
| Skin Corrosion | Category 1A |
| Serious Eye Damage | Category 1 |
| Oxidizing Solids | Category 3 |

**Label elements**

**Emergency Overview**

**DANGER**

**Hazard statements**

May be corrosive to metals. Toxic if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. Toxic to aquatic life. May cause or intensify fire; oxidizer. Causes serious eye damage. May cause respiratory irritation.

**Appearance:** White/Red/Purple/Blue Solid/Powder **Physical state:** Solid/Powder

### Precautionary Statements - Prevention

KEEP OUT OF REACH OF CHILDREN. Do not handle until all safety precautions have been read and understood. Take any precaution to avoid mixing with combustibles. Protect from moisture. Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. Collect spillage. F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Gently wash with plenty of soap and water. IF SWALLOWED: Immediately call a POISON CENTER/doctor/. Take off contaminated clothing. Immediately call a POISON CENTER/doctor/.

### Precautionary Statements - Storage

Store in a dry place. Store in a closed container.

### Precautionary Statements - Disposal

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

### POTENTIAL HEALTH EFFECTS

**EYES**: May cause permanent eye damage.

**SKIN**: Corrosive, causes skin burning.

**INGESTION**: Aspiration Hazard: Harmful or fatal if swallowed. Causes severe digestive tract burns.

**INHALATION**: Anesthetic, may cause serious respiratory irritation. At high levels of exposure, cardiac arrhythmia may occur.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NO. | WEIGHT - % | TRADE SECRET |
|---|---|---|---|
| Sodium Hydroxide | 1310-73-2 | 70 - 80 | * |
| Aluminum | 7429-90-5 | 5 - 10 | * |
| Carbonic Acid Monosodium Salt | 144-55-8 | 5 - 8 | * |
| Sodium Nitrate | 7631-99-4 | 7 - 10 | * |

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

## 4. FIRST AID MEASURES

**First aid measures**

**Skin Contact**

Immediately wash contaminated skin with plenty of water. If wearing goggles flush head and face thoroughly keeping eyes and mouth closed before removing goggles. Remove contaminated clothing under the shower. This washing may be followed with a rinse with vinegar or dilute acetic acid (3% solution) if available. If skin feels slippery, caustic may be present in sufficient quantities to cause rash or burn, continue washing until slippery feeling is gone. Wash contaminated clothing and footwear before reuse. Discard any that cannot be decontaminated. Get medical attention.

**Eye Contact**

Immediately flush eyes with large amounts of water for at least 15 minutes, if contact lenses are present remove after 5 minutes and continue flushing, lifting eyelids occasionally to facilitate irrigation. Do not wear contact lenses. Get immediate medical attention.

**Inhalation** Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**Comments** In case of persistent adverse effects consult a physician.

## 5. FIRE-FIGHTING MEASURES

**General hazard**

Contains oxidizer. Contact with combustible materials will not cause spontaneous ignition, however, sodium nitrate will enhance an existing fire. Thermal decomposition can lead to the escape of toxic/corrosive gases and vapors. Thermal decomposition products: Nitrous Oxides (NOx), Sodium Nitrite and Sodium Oxide.

**Fire fighting procedures**

Use any standard agent-choose the one most appropriate for type of surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes.

**Environmental precautions**

**Environmental precautions** Dike and contain. Keep away from drains and ground water. Watch out for slippery conditions when spilled.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Wear protective clothing. Wash thoroughly after handling. Wash clothing before reuse and decontaminate or discard contaminated shoes.

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

**Storage Conditions** Store away from strong acids. Store in dry, well ventilated area.

**General Procedures** **KEEP OUT OF REACH OF CHILDREN**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | |
|---|---|---|---|---|
| | EXPOSURE LIMITS | | | |
| **Chemical Name** | **Type** | | **ppm** | **mg/m3** |
| Sodium Hydroxide | **OSHA PEL** | **TWA** | | 2 |
| | **Supplier OEL** | **TWA** | NL | NL |
| | | **STEL** | NL | NL |
| Aluminum | **OSHA PEL** | **TWA** | | 15T 5R |
| | **ACGIH TLV** | **TWA** | | 1 |

**Appropriate engineering controls**

**Engineering Controls** All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94)

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

**Eye/face protection** Safety glasses.

**Skin and body protection** Gloves (solvent resistant)

**General Hygiene** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Solid/Powder |
| **Appearance** | White/Red/Purple/Blue Solid/Powder |
| **Color** | White/Red/Purple/Blue Solid/Powder |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Ph** | 13.5 to 14.5 | **Notes: 1% Solution 13** |
| **Percent volatile** | No information Available | |
| **Flash point and method** | No information Available | |
| **Explosion limits** | No information Available | |
| **Autoignition temperature** | No information Available | |
| **Vapor pressure** | Negligible | |
| **Vapor density** | No information Available | |
| **Boiling point** | (253°F) | |
| **Freezing point** | No information Available | |
| **Melting point** | No information Available | |
| **Pour point** | No information Available | |
| **Solubility in water** | Appreciable | |
| **Evaporation rate** | No information Available | |
| **Density** | No information Available | |
| **Specific gravity** | No information Available | |
| **Viscosity** | No information Available | |
| **Molecular weight** | No information Available | |
| **(Voc)** | No information Available | |
| **Oxidizing properties** | No information Available | |

## 10.STABILITY AND REACTIVITY

**Hazardous polymerization**
Thermal Decomposition: Nitrous Oxides, Sodium Nitrite and Sodium Oxide.

**Chemical stability**
Stable Under Normal conditions.

**Conditions to avoid**
Keep Containers Closed

**Incompatible materials**
Strong acids, Leather, wool, aluminum, zinc, tin and alloys. Nitrocarbons and halocarbons. Acetaldehyde, acrolein, chlorine trifluoride, maleic anhydride, phosphorus pentoxide, tetrahydrofuran, and hydroquinone.

**Hazardous Decomposition Products**
Hydrogen gas may be released when exposed to high temperatures. Carbon monoxide and unidentified organic compounds may be released during combustion.

## 11.TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY**

**DERMAL LD50:** 600 mg/kg. (Rabbit)
**Notes:** Severe Irritation.

**ORAL LD50:** 600 mg/kg (rabbit)
**NOTES:** Intraperitoreal: House LD50 50 mg/hg

**COMMENTS:** THIS PRODUCT HAS NOT BEEN TESTED FOR TOXICITY

## 12. ECOLOGICAL INFORMATION

**AQUATIC TOXICITY (ACUTE):** Toxic to aquatic organisms.
**COMMENTS:** Reacts violently with water, do not add to acids of any type.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Dispose of in accordance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

| | |
|---|---|
| **UN/ID No.** | 1759 |
| **Proper Shipping Name** | Corrosive Solids, N.O.S. (Contains Sodium Hydroxide) |
| **Hazard Class** | 8 |
| **Packing Group** | II |
| **NAERG** | 154 |
| **Bulk Freight Class** | 85 |

## 15. REGULATORY INFORMATION

**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**


**Corrosive**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HEALTH HAZARDS:** Acute Health Hazard
**311/312 PHYSICAL HAZARDS:** Oxidizing Solids

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

| Chemical Name | Wt.% | CAS |
|---|---|---|
| **Aluminum** | **5 - 10** | **7429-90-5** |

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

| Chemical Name | Wt.% | CERCLA RQ |
|---|---|---|
| **Sodium Hydroxide** | **70 - 80** | **1,000** |

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name | CAS |
|---|---|
| Sodium Hydroxide | 1310-73-2 |
| Aluminum | 7429-90-5 |
| Carbonic Acid Monosodium Salt | 144-55-8 |
| Sodium Nitrate | 7631-99-4 |

## 16. OTHER INFORMATION

**Health hazards** 3 **Flammability** 0 **Physical Hazards** 2 **Personal protection** B

**Issue Date** 11/22/2021
**Revision Date** 11/23/2021
**Revision Note** This SDS replaces the 11/23/2021 SDS. Revised: Section 2: GHS CLASSIFICATIONS, GHS LABEL, PRECAUTIONARY STATEMENTS.

**Disclaimer**

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**End of Safety Data Sheet**