

## **SAFETY DATA SHEET**

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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### **Section I - Product & Company Identification**

#### **Product identifier**

Product name : CHARGE

Product form: Powder

Relevant identified uses of the substance or mixture: Powdered Drain Cleaner

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

Distributor:

Continental Research Corporation, P. O. Box 15204, St. Louis, MO 63110

Phone: 1- 800-325-4869

#### **Emergency telephone number**

Emergency number: 1-888-255-3924 (CHEM-TEL)

### **Section II – Hazards Identification**

#### **Classification**

Oxidizing solid- Category 3

Corrosive to metals-Category 1

Serious eye damage/Eye Irritation - Category 1

Skin corrosion/ irritation - Category 1

Acute aquatic toxicity- Category 3

Pictogram



#### **Signal Word**

**Danger**

#### **Hazard Statements**

May be corrosive to metals.

May intensify fire: Oxidizer

Causes severe skin burns and eye damage.

Harmful to aquatic life.

#### **Precautionary Statements – Prevention**

Keep away from flammable/combustible/reducing materials.

Keep only in original container tightly closed.

Use in well-ventilated area.

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust or mist.  
Avoid release to the environment.

#### **Precautionary Statements – Response**

In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs

IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: Do not induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell

#### **Precautionary Statements – Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store in a corrosive resistant container.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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### **Section III –Composition/Information on ingredients**

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#### **Mixture**

| Name             | Product Identifier | Weight % |
|------------------|--------------------|----------|
| Sodium Nitrate   | (CAS No) 7631-99-4 | 30-40    |
| Sodium Hydroxide | (CAS No) 1310-73-2 | 60-70    |

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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### **Section IV – First Aid Measures**

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#### **First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

### **Most Important Symptoms and Effects, both Acute and Delayed**

#### **Symptoms**

May cause severe skin burns and eye damage

### **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

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## **Section V – Fire Fighting Measures**

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### **Suitable Extinguishing Media**

Alcohol resistant foam, dry chemical or carbon dioxide, water spray..

**Unsuitable Extinguishing Media:** No data available.

### **Specific Hazards Arising from the Chemical**

Contact with combustible materials will not cause spontaneous ignition, however, sodium nitrate will enhance an existing fire. Thermal decomposition products are Nitrous oxides, sodium nitrite and sodium oxides

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved and full protective gear. Keep upwind of the fire.

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## **Section VI –Accidental Release Measures**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Pick up and arrange for disposal without creating dust.

**Methods for Cleaning Up:** Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal. Do not absorb in saw-dust or other combustible absorbents.

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## **Section VII – Handling & Storage**

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### **Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Avoid generation of dust.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Store only in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store together with combustible substances, reducing agents.

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## **Section VIII – Exposure Controls/ Personal Protection**

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### **Exposure Guidelines**

| <b>Chemical Name</b> | <b>CAS #</b> | <b>ACGIH TLV</b>  | <b>OSHA PEL</b>   | <b>NIOSH</b>      |
|----------------------|--------------|-------------------|-------------------|-------------------|
| Sodium Nitrate       | 7631-99-4    | No data available | No data available | No data available |
| Sodium Hydroxide     | 1310-73-2    | 2 mg/m3           | 2 mg/m3           | 2 mg/m3           |

### **Appropriate Engineering Controls**

**Engineering Controls:** Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear approved chemical safety goggles/face shield at all time. Eyewash station is recommended.

**Skin and Body Protection:** Wear suitable protective clothing. Nitrile rubber gloves.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas. Wear respiratory protection where airborne concentrations are expected to exceed exposure limits.

**General Hygiene Considerations:** Avoid contact with eyes and skin. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

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## **Section IX – Physical & Chemical Properties**

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### **Information on Basic Physical and Chemical Properties**

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Physical State</b>        | Powder                          |
| <b>Color</b>                 | Red                             |
| <b><u>Property</u></b>       | <b><u>Values</u></b>            |
| pH                           | 14 at 50 g/l at 20 ° C (68 ° F) |
| Melting Point/Freezing Point | 307-318 ° C (584-604 ° F)       |
| Boiling Point/Boiling Range  | No data available               |
| Flash Point                  | Not applicable                  |
| Evaporation Rate             | No data available               |

|                              |                   |
|------------------------------|-------------------|
| Flammability (Solid,Gas)     | No data available |
| Upper Flammable Limits       | No data available |
| Lower Flammable Limits       | No data available |
| Vapor Pressure               | No data available |
| Vapor Density                | No data available |
| Specific Gravity             | No data available |
| Water Solubility             | soluble in water  |
| Solubility in Other Solvents | No data available |
| Partition Coefficient        | No data available |
| Autoignition Temperature     | No data available |
| Decomposition Temperature    | No data available |
| Kinematic Viscosity          | No data available |
| Dynamic Viscosity            | No data available |
| Explosive Properties         | Not an Explosive  |
| Oxidizing Properties         | Oxidizer          |
| Odor                         | Odorless          |
| Odor Threshold               | No data available |

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## Section X – Stability & Reactivity

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### Reactivity

No data available

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

No data available.

### Conditions to Avoid

Keep away from flammable, combustible and reducing substances.

### Incompatible Materials

Strong oxidizing agents, strong acids, flammable, combustible and reducing substances.

### Hazardous Decomposition Products

Nitrous oxides, sodium nitrite, sodium oxide.

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## Section XI - Toxicological information

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### Information on Likely Routes of Exposure

#### **Product Information :**

**Inhalation:** Avoid breathing dust or mists.

**Eye Contact:** Causes severe eye damage.

**Skin Contact:** Avoid contact with skin.

**Ingestion:** Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

| Chemical Name    | CAS #     | Oral LD50         | Dermal LD50       | Inhalation LC50   |
|------------------|-----------|-------------------|-------------------|-------------------|
| Sodium Nitrate   | 7631-99-4 | >2000 mg/kg(Rat)  | >5000 mg/kg(Rat)  | >0.527 mg/l (4-h) |
| Sodium Hydroxide | 1310-73-2 | No data available | No data available | No data available |

| Chemical Name                                    | Sodium Nitrate                  | Sodium Hydroxide               |
|--------------------------------------------------|---------------------------------|--------------------------------|
| Skin corrosion/irritation                        | Non-irritant (Rabbit)           | Causes severe burns rabbit 24h |
| Serious eye damage/irritation                    | Irritant (Rabbit)               | Corrosive rabbit 24h           |
| Respiratory or skin sensitization                | Does not cause sensitization    | Will not occur                 |
| Mutagenicity                                     | Negative results                | No data available              |
| Carcinogenicity                                  | No carcinogenic properties      | No carcinogenic properties     |
| Reproductive toxicity                            | No data available               | No data available              |
| Specific target organ toxicity-Single exposure   | Classification criteria not met | No data available              |
| Specific target organ toxicity-repeated exposure | Classification criteria not met | No data available              |
| Aspiration hazard                                | Classification criteria not met | No data available              |

#### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity:** Not determined

### **Section XII - Ecological information**

#### **Ecotoxicity**

There is no data available for this product as a whole.

| Chemical Name    | CAS #     | Algae/aquatic plants | Fish                                                                                                              | Aquatic invertebrates                                      | Crustacea         |
|------------------|-----------|----------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------|
| Sodium Nitrate   | 7631-99-4 | >1700 mg/l           | LC50(freshwater fish):6000 mg/l 96-h,LC50(Marine fish):4400 mg/l 96-h                                             | EC50 Daphnia magna(water flea) 8600 mg/l 24-h              | No data available |
| Sodium Hydroxide | 1310-73-2 | No data available    | LC50 (Oncorhynchus mykiss (rainbow trout)): 45.4 mg/l 96 h, LC50 Gambusia affinis (mosquito fish)-125 mg/l - 96 h | LC50 Dendronereides heteropoda(water flea): 4720 mg/l 96 h | No data available |

#### **Persistence and Degradability**

No data available

#### **Bioaccumulation**

No data available

#### **Mobility**

No data available

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**Section XIII - Disposal considerations**

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**Waste Disposal Method**

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

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**Section XIV - Transport information**

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**DOT Proper Shipping Description:**

**Bulk & Non Bulk:** UN3084, Corrosive solids, oxidizing, N.O.S. (Sodium hydroxide, Sodium nitrate), 8, (5.1), PGII

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**Section XV - Regulatory information**

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**SARA Title III Section 311/312 (40CFR370):** Fire, acute health hazards.

**SARA Title III Section 313 (40CFR372):** No reportable component.

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**  
None

**U.S. State Right-to-Know Regulations**

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania |
|------------------|------------|---------------|--------------|
| Sodium Nitrate   | Not listed | Not listed    | Not listed   |
| Sodium Hydroxide | X          | X             | X            |

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**Section XVI - Other information**

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**HMIS ratings:** Health: 3  
Flammability: 0  
Reactivity: 2

**Indication of changes:** Revision – 1

**Date Sheet Prepared:** 04/02/2015 **Other information:** Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

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**END OF SDS**

