

SAFETY DATA SHEET

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

Section I - Product & Company Identification

Product identifier Product name : KNOCK-OUT

Product form: Powder

Other means of identification: 0567

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

Details of the supplier of the safety data sheet

Distributor:

Essence Chemical Co. LLC - PO Box 656 - St. Peters, MO 63376

Phone: 636 658 0132

Emergency telephone number

E Emergency number: 314 518 1665

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.

Section III –Composition/Information on ingredients

Mixture

Name	Product identifier	Weight %
Sodium Nitrate	(CAS No) 7631-99-4	30-40
Sodium Hydroxide	(CAS No) 1310-73-2	50-60

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

Section IV – First Aid Measures

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.

Section V – Fire Fighting Measures

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.

Section VI –Accidental Release Measures

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.

Section VII – Handling & Storage

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.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Chemical Name</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>
Sodium Nitrate	7631-99-4	No data available	No data available	No data available
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	2 mg/m ³

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.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State Powder
Color Red

<u>Property</u>	<u>Values</u>
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	2.065
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

Section X – Stability & Reactivity

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.

Section XI - Toxicological information

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

Section XIII - Disposal considerations

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.

Section XIV - Transport information

DOT Proper Shipping Description:

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

Section XV - Regulatory information

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

Section XVI - Other information

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

Indication of changes: Revision – 1

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

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