

1. PRODUCT AND COMPANY IDENTIFICATION**Product Information**

Trade Name: CRYSTAL CLEAN DRAIN OPENER
 Use of the Substance: DRAIN CLEANER
 Item numbers: CC1, CC2, CC6
 Preparation Company: PROTEC CHEMICAL & PLASTICS
 9646 HWY 20 WEST
 FREEPORT, FL 32439
 Emergency Telephone: 1-800-231-5733

2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance / Odor: white/ crystalline / characteristic

Immediate Concerns: Danger
 Corrosive
 CAUSES EYE AND SKIN BURNS
 HARMFUL OR FATAL IF SWALLOWED. Avoid eye contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.

Potential Health Effects:

Routes of Exposure: Eye, Skin, Inhalation, Ingestion.
 Eyes: Corrosive— causes irreversible eye damage. May cause blindness.
 Skin: Corrosive to skin. Causes skin burns.
 Inhalation: May cause nose, throat and lung irritation.
 Ingestion: Harmful or fatal if swallowed. Causes severe digestive tract burns.
 Aggravated Medical Condition: None Known

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Sodium Hydroxide	1310-73-2	30.00—60.00
Sodium Nitrate	7631-99-4	15.00—40.00
Sodium Chloride	7647-14-5	7.00—13.00
Aluminum	7429-90-5	1.00—5.00

4. FIRST AID MEASURES

Eye contact: Rinse immediately with plenty of water, make sure to rinse under the eyelids. Remove contact lenses. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Remove contaminated clothing and shoes. Flush immediately with plenty of water for 15-20 minutes. Get medical attention immediately.

Inhalation: Remove to fresh air. If breathing is affected, get medical attention.

Ingestion: Rinse mouth. Drink 1-2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.

5.

6. FIREFIGHTING MEASURES

Suitable extinguishing
Media: Carbon dioxide (CO₂), Dry chemical

Extinguishing media
Which shall not be
Used for safety
Reasons: Water (H₂O)

Further information: Wear full protective clothing and positive pressure self contained breathing apparatus. Fight fire from maximum distance or protected area.

Flash point: Not applicable.

Lower explosion
Limit: No data available.

Upper explosion
Limit: No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Methods for cleaning: Sweep up and shovel into suitable containers for disposal. Flush away traces with water.

7. HANDLING AND STORAGE

Handling

Advice on safe

Handling: Product residue may remain i/on empty containers. All precautions taken in handling the product must be used in handling the empty container and residue. Avoid contact with skin, eyes and clothing. KEEP OUT OF REACH OF CHILDREN AND PETS. Use only as directed.

Storage

Requirements for
Storage areas and

Containers: Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m ³	ppm	Basis
Sodium Hydroxide	1310-73-2	2 mg/m ³	-	ACGIH Ceiling
Sodium Hydroxide	1310-73-2	2 mg/m ³	-	OSHA TWA

Personal protective equipment***Respiratory protection***

- Industrial setting: Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
- Household setting: No personal respiratory protective equipment normally required.

Hand protection

- Industrial setting: In case of full contact: Rubber gloves.
- Household setting: Rubber gloves

Eye protection

- Industrial setting: Safety glasses with side-shields.
- Household setting: No special requirements.

Hygiene Measures: Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: crystalline
- Color: white
- Odor: characteristic
- pH: >12.5
- Melting point: no data available
- Boiling point: not applicable
- Freezing point: not applicable
- Flash point: not applicable
- Evaporation rate: not applicable
- Autoignition temp: not applicable
- Lower explosion limit: no data available
- Upper explosion limit: no data available
- Vapour pressure: not applicable
- Water solubility: completely soluble
- Partition coefficient:
- n-octanol/water: not applicable

Specific gravity: 1.2
Percent volatile: not applicable

10. STABILITY AND REACTIVITY

Conditions to avoid: None known.
Materials to avoid: Do not mix with acids or any other household products. May release dangerous gasses (chlorine). Avoid contact with: Rust Remover. Ammonia.
Hazardous decomposition products: When exposed to fire, produces normal products of combustion.
Hazardous reactions: Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: Harmful if swallowed. Causes severe digestive tract burns.
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

Chronic effects

Carcinogenicity: No data available
Mutagenicity: No data available
Reproductive effects: No data available
Teratogenicity: No data available
Sensitisation: Not know to be a sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Not available

13. DISPOSAL CONSIDERATIONS

Industrial setting: Observe all applicable Federal, Provincial, and State regulations and Local/Municipal ordinances regarding disposal.
Household setting: Dispose of in accordance with local regulations.
RCRA waste class: Non-hazardous waste.

14. TRANSPORT INFORMATION

Land transport

* **U.S. DOT and Canadian TDG Surface Transportation:**
UN-Number: 1759
Proper shipping name: Corrosive Solid, N.O.S (Sodium Hydroxide)
Class: 8

Packaging group: II

Note: ProTec Chemical & Plastics ships this product as Consumer Commodity ORM-D (non-bulk packaging)

Sea transport

* *IMDG:*

Class: 8

Packaging group: II

Proper shipping name: Corrosive Solid, N.O.S (Sodium Hydroxide)

UN-Number: 1759

Note: ProTec Chemical & Plastics ships this product as "Limited Quantity" when container quantity value is 5 Kilograms or less.

Air Transport

* *ICAO/IATA*

Class: 8

Packaging group: II

Proper shipping name: Corrosive Solid, N.O.S. (Sodium Hydroxide)

UN/ID No.: UN1759

Note: ProTec Chemical & Plastics does not ship products via air. Therefore it has not been determined if the product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

15. REGULATORY INFORMATION

Global Chemical Inventories

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65: This product is not subject to the reporting requirements under California's Proposition 65.
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

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16. OTHER INFORMATION

HMIS Ratings

Health	3
Flammability	0
Reactivity	1

NFPA Ratings

Health	3
Fire	0
Reactivity	1
Special	

Further information

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Prepared by:	ProTec Chemical & Plastics
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