

Material Safety Data Sheet

D-CI25

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

GOODSON

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Date of Preparation: April 5, 1995

1. IDENTIFICATION

Part No.: D-CI25
Description: Concentrated Caustic Cleaner 25 lbs.
Chemical Family: Alkali
Hazard Classification: Corrosive
Shipping Name: Sodium Hydroxide, solid, mixture, 8, UN1823, II
Hazard Signals: Health 3, Fire 0, Instability 1, Other -

2. HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>TLV</u>	<u>OSHA PEL</u>	<u>Section 313?</u>	<u>%(optional)</u>
Sodium hydroxide	1310-73-2	2mg/m ³	2mg/m ³	Yes	<50
Triethanolamine	102-71-6	n/e	n/e	No	<5

3. PHYSICAL DATA

Boiling Point: n/a
Percent Volatile: n/e
Specific Gravity: n/a
Appearance & Odor: Off white granular solid with mild characteristic odor.

Vapor Pressure: n/e
Vapor Density: n/e
Evaporation Rate: n/a
Solubility in Water: Complete

4. FIRE AND EXPLOSION

Flash Point(temp at which it gives off combustible vapors): None

Flammable limits: Lower: n/e **Upper:** n/e

Extinguishing Media: n/a

Special Firefighting Procedures: Firefighters should wear self-contained breathing apparatus. Use protective clothing to avoid skin contact with product. Product dissolves in water.

Unusual Fire Hazards: None (non-combustible solid)

5. REACTIVITY DATA

Stable: Yes

Conditions to Avoid: (1) See mixing instructions in Section 8. (2) Avoid mixing with nitrites; may form hazardous nitrosamines.

Incompatibility: Aluminum, zinc, leather, strong acids and strong oxidizing agents.

Hazardous Decomposition Products: oxides of carbon and nitrogen.

Hazardous Polymerization: will not occur.

6. HEALTH HAZARD DATA

Threshold Limit Value: n/a

Health Hazards - Chronic: Some people can develop a sensitivity reaction to contact with amines.

This product has NOT been identified as a carcinogen or probable by: NTP, IARC Monographs, or OSHA.

This product contains an amine which may react with nitrites to form a nitrosamine. Some nitrosamines have been shown to be carcinogenic.

Medical conditions generally aggravated by exposure: Excessive exposure to amines may aggravate liver & kidney disorders.

EFFECTS OF ACUTE OVEREXPOSURE

Eyes: Causes burns.

Skin: Causes severe burns if not rinsed off immediately.

Inhalation: Inhalation of dusts or mists causes irritation of the respiratory tract.

Ingestion: If swallowed, causes severe burns of mouth, throat, and stomach.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush eyes with plenty of cool running water. Remove contact lenses if applicable and continue rinsing for at least 15 minutes while holding eyelids apart. Contact a physician.

Skin: Immediately flush with plenty of cool running water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Contact a physician if irritation persists.

Inhalation: Remove to fresh air. Seek medical attention if breathing difficulties occur.

Ingestion: Rinse mouth with water then drink 1 to 2 glasses of milk or water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately call for medical advice or assistance.

7. PROTECTIVE EQUIPMENT

Respirator Type: Dust mask when handling dry product.

Ventilation: Use with adequate ventilation to avoid breathing concentrated dust, mists or sprays.

Eye Protection: Safety goggles and/or face shield where conditions warrant.

Protective Clothing: Rubber type gloves & protective clothing as needed. It is recommended that complete rubber clothing be worn when mixing large quantities of product with water.

Other Protective Equipment: Eyewash stations & safety shower in the work area.

8. PRECAUTIONS FOR HANDLING AND USE

Handling & Storing: Wash thoroughly after handling. Keep container closed when not in use for safety and to prevent caking.

Other Precautions: When making solutions in a spray wash machine place the detergent on the dry floor of the wash cabinet or on a plate on the turntable. Close the door and run the spray pump with warm or hot water for 5 minutes. When making solutions in a tank, add the cleaner slowly to the surface of warm (not hot) water with constant stirring. Continue stirring for 5 minutes. If cleaner becomes too concentrated in one area, or if added too rapidly, or if added to hot or cold water, a rapid temperature increase can result in dangerous spattering and/or boiling which may cause an immediate violent eruption. The use of full rubber suits is recommended when making large batches of cleaner solutions.

Steps to be taken in case material is released or spilled: Use caution. Flush small spills to sewer with plenty of water.

Large spill - shovel up as much as possible and contain for reuse. Remaining traces can be neutralized with dilute acid, flushed with water followed with a liberal covering of sodium bicarbonate.

Waste Disposal Method: Reuse spilled material if possible. Dispose of waste in accordance with all applicable local, state and federal regulations. Consult local authorities for the applicable rules in your area governing alkaline wastes. Contains sodium hydroxide.