



SAFETY DATA SHEET

1. Product and company identification

Product Name Solid Dish Machine Detergent

Product Code C-DS09

UN/ID No. UN 1759

Recommended use of the chemical and restrictions on use

Recommended Use Solid Detergent for High Temp and Low Temp Dish Machines

Supplier:

HD Chem
707 W. 16th St.
Long Beach, CA 90813
(888) 443-2436

Print date: 08-31-2014

In case of emergency: Call (888) 443-2436

Product type: Solid Powder

2. Hazards identification

Appearance: White Powder

Physical State: Solid Powder

Odor: Bland Odor

Classification

Acute Toxicity – Oral	Category 4
Acute Toxicity – Inhalation (Dust/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Signal Word: Danger

Pictograms:



Hazard Statement

Harmful if swallowed

Causes severe skin burns and eye damage
 Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
 May cause respiratory irritation

Precautionary Statements – Preventions

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth, Do not induce vomiting

Precautionary Statements – Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects
 Harmful to aquatic life

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium Hydroxide	1310-73-3	<33%
Sodium Metasilicate Anhydrous	6834-92-0	<14%
Sodium Dichol-S-Trazinetriene Dihydrate	51580-86-0	N/E

4. First aid measures

Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician
Skin contact:	If on Skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention.
Inhalation:	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion:	If Swallowed: rinse mouth. Do NOT induce vomiting. Drink large quantities of water without delay. Drink milk or milk of magnesia. Immediately call a POISON CENTER or doctor/physician.
Symptoms	Most important symptoms and effects: Causes severe skin burns and eye damage. May cause respiratory irritation. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, and esophagus and stomach.
Note to physician	Treat symptomatically

5. Fire-fighting measures

Flash point:	N/A
Flammability of the product:	None, Material is not flammable
Suitable Extinguishing media:	Foam, Co2, Dry Chemical, Water Spray, Water, Carbon dioxide (CO2)
Non suitable Extinguishing Media	Not determined
Specific Hazards Arising from the Chemical	Product reacts exothermically with water
Unusual Fire & Explosion Hazards	Direct contact with water can cause a violent exothermic reaction
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions:	Use personal protective equipment as required
Environmental precautions:	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal considerations, for additional information
<u>Methods for cleanup and containment of material</u>	
Methods of containment	Prevent further leakage or spillage if safe to do so
Large spill:	Sweep up and shovel into suitable containers for disposal

7. Handling and storage

Handling:	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.
Storage	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
Incompatible Materials	Strong mineral acids, Strong acids. Chemically reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.

8. Exposure controls/personal protection

Exposure Guidelines

Chemical name	ACGIH-TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Sodium metasilicate 6834-920-0	2 mg/m ³	2 mg/m ³	Not determined
Sodium Dichloro-S-Triazinetrione Dihydrate 51580-86-0	0.5 ppm	Ceiling: 1ppm (3mg/m3)	Not determined

Engineering Controls **Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.**

Individual-protection measures, such as personal protective equipment

Eye/Face Protection	Chemical anti-splash safety goggles
Skin and Body Protection	Rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.
General Hygiene considerations	Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and chemical properties

Physical state	Solid
Boiling Point	N/A
Color	White Powder
pH	Approx. 13.8 (1% Solution)
Reactivity in Water	Dissolves with liberation of much heat
Solubility in Water	Complete
Evaporation Rate	N/A

10. Stability reactivity

Stability	Stable under recommended storage conditions
Hazardous polymerization	Hazardous polymerization does not occur
Conditions to avoid	Excessive heat. Avoid direct sunlight. Avoid moisture
Materials to avoid	Strong mineral acids, Strong acids. Chemical reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	PG*	Personal Protection
DOT Classification Corrosive Solid	UN1759	Sodium Hydroxide, Sodium Metasilicate	8	II	C

*PG: Packing group

15. Regulatory information

International Inventories

Not determined

US Federal Regulations

This material, as supplied, contains one or more substances regulated as a hazardous substance under the comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Caustic Soda 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA –Reportable Quantities	CWA – Toxic Pollutants	CWA –Priority Pollutants	CWA-Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb			X

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. Other information

HMIS	Health Hazards	Flammability	Reactivity	Personal Protection
	3	0	2	C

Indicates information that has changed from previously issued version.

Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates

only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet