

MATERIAL SAFETY DATA SHEET

TCS CHAMOK DISH WASH

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TCS Chamok Dish wash

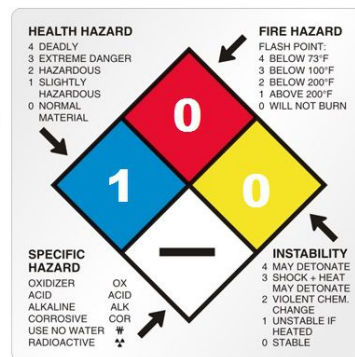
MSDS #: MS03004

Recommended use: • This product is intended to be diluted prior to use

Manufacturer, importer, supplier: TCS Traders & Co.
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120/A Motijheel C/A, Dhaka -1000.
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Emergency telephone number: 01709088624, 01709088625



2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Principal routes of exposure:

Eye contact. Skin contact. Inhalation.

Eye contact:

May be mildly irritating to eyes.

Skin contact:

May be mildly irritating to skin.

Inhalation:

None

Ingestion:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME %BY WEIGNT CAS # OSHA PEL *

Sodium Silicate 5-10%

Sodium Hydroxide 1-5%

Sodium Hypochlorite 0.5-1.5%

EDTA (Tetra Sodium Ethylene Diamine 0.4 % **64-02-8** NIA

Tetra Acetate Dihydrate)

The OSHA PEL (Permissible Exposure Limit) is given as a TLV (Threshold Limit Value) TWA (**Time** Weighted Average) over an 8 hour workday and is expressed in parts per million (ppm). The STEL (**Short** Term Exposure Limit) indicates the concentration threshold

of acceptable short-term exposures up to 15 minutes in any 1 hour period

4. PREVENTATIVE MEASURES

Personal Protective Equipment: Rubber or Plastic Gloves, Goggles or Safety Glasses, Protective Clothing

Engineering Controls: Safety Showers and Eyewash Fountains should be available.

Leak and Spill Procedures: Flush with water.

Waste Disposal: Dispose in accordance with Federal, Provincial and Local regulations.

Handling Procedures and Equipment: Avoid contact when handling.

Storage Requirements: Store above freezing and below 45° C.

Special Shipping Instruction: Heated car or truck shipment is required to prevent freezing.

5. FIRST AID MEASURES

Eye contact:	Flush immediately with plenty of water. If irritation develops, get medical attention.
Skin contact:	Flush immediately with plenty of water. If irritation develops, get medical attention.
Inhalation:	No specific first aid measures are required.
Ingestion:	No specific first aid measures are required.
Aggravated Medical Conditions:	None known

6. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards:	Not applicable
Unusual hazards:	None known
Specific methods:	No special methods required
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Extinguishing media which must not be used for safety reasons:	No information available

7. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Not relevant for the product itself.
Environmental precautions And clean-up methods:	Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

8. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:	Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Evaporation Rate No information available
Appearance: Liquid	Color: Yellow
Specific gravity: 1.002	Odor: Lemon
Vapor density: No information available	Melting point/range: Not determined
Boiling point/range: Not determined	Auto ignition temperature: No information available
Decomposition temperature: Not determined	Density: 8.34 lbs/gal 1 Kg/L
Solubility: Completely Soluble	Flash point: > 200 °F > 93.4 °C
Solubility in other solvents: No information available	Viscosity: No information available
Partition coefficient (n-octanol/water): No information available	VOC: 0 % *
Elemental Phosphorus: 0.00 % by wt.	Dilution pH: 9.5 @ 1:32
pH: 10.4	
Explosion limits: - upper: Not determined -	
lower: Not determined	
Bulk density: No information available	

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL PROPERTIES OF PRODUCT

These products have not been tested as a whole.

Effects of Acute Exposure To Product:

Skin Contact: Alkaline irritant. Will cause skin irritation upon prolonged contact.

Skin Absorption: N/E

Eye Contact: Severe irritant upon prolonged contact.

Inhalation: Under unusual conditions, sufficient chlorine might be released to cause minor respiratory irritation.

Ingestion: Low toxicity. May cause nausea, vomiting, and diarrhea.

12. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations.

13. OTHER INFORMATION

Reason for revision : Not applicable

Prepared by : TCS Traders & Co.

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