Material Safety Data Sheet

Ultra Novo Dish washer Soap W4

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W4

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION OF THE COMPANY

- Product Name :- Ultra Novo Dish washer Soap - W4
- Company name :- Ultrakem Detergents &Sanitizers
- Telephone :- 050-4968668
- Email :- info@ultra-kem.com
- Web site :- www.ultra-kem.com

2 COMPOSITION / INFORMATION ON INGREDIENTS

	Weight percentage	EC Number	CAS Number
SODIUM HYDROXIDE	10-30 %	215-185-5	1310-73-2
sodium Citrate	1- 5 %	----------	6132-04-3

3 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Classification

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	Keep out of reach of children. Do not breathe mist. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/ attention. Dispose of contents/ container in accordance with local regulations.

2.3. Other hazards :- No data .

4 FIRST AID MEASURES

- 4.1. Description of first aid measures
- Inhalation
  - Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
- Ingestion
  - Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention

immediately.

- Skin contact
  - Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
- Eye contact
  - Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

- 4.2. Most important symptoms and effects, both acute and delayed
- General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- Inhalation Irritation of nose, throat and airway.
- Ingestion May cause chemical burns in mouth and throat.
- Skin contact
  - Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
- Eye contact
  - Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.
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5 FIRE FIGHTING MEASURES

- 5.1. Extinguishing media
- Suitable extinguishing media
- The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
- 5.2. Special hazards arising from the substance or mixture
- Specific hazards
- Thermal decomposition or combustion products may include the following substances:
- Irritating gases or vapours.
- 5.3. Advice for firefighters
- Special protective equipment
- Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective for firefighters clothing.

6 ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures
- Personal precautions Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
- 6.2. Environmental precautions
- Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
- 6.3. Methods and material for containment and cleaning up
- Methods for cleaning up Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
- 6.4. Reference to other sections
- Reference to other sections For personal protection, see Section 8.

7 HANDLING & STORAGE

- 7.1. Precautions for safe handling
- Usage precautions Wear protective clothing, gloves, eye and face protection.
- 7.2. Conditions for safe storage, including any incompatibilities
- Storage precautions Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. & Acids.
- 7.3. Specific end use(s)
- Specific end use(s) The identified uses for this product are detailed in Section 1.2.
- Usage description See Product Information Sheet & Label for detailed use of this product.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

- 8.1. Control parameters
- Occupational exposure limits
- SODIUM HYDROXIDE
- Short-term exposure limit (15-minute): WEL 2 mg/m³ WEL = Workplace Exposure Limit.

- 8.2. Exposure controls
- Protective equipment




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• Appropriate engineering controls	• Not relevant.
• Eye/face protection	• The following protection should be worn: Chemical splash goggles or face shield.
• Hand protection	• Wear protective gloves. (Household rubber gloves.)
• Other skin and body protection	• Wear suitable protective clothing as protection against splashing or contamination.
• Respiratory protection	• Respiratory protection not required.

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9 PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
• Colour	• Colourless. to yellow
• Odour	• Characteristic.
• Ph	• pH (diluted solution): 11.60 @ 4ml / L
• Initial boiling point and range	• 102°C @ 760 mm Hg
• Flash point	• Boils without flashing.
• Relative density	• 1.197 @ 20°C
• Solubility(ies)	• Soluble in water.
• 9.2. Other information	• None.
• Other information	

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10 STABILITY & REACTIVITY

- 10.1. Reactivity
- Reactivity Reactions with the following materials may generate heat: Strong acids.
- 10.2. Chemical stability
- Stability No particular stability concerns.
- 10.3. Possibility of hazardous reactions
- Possibility of hazardous See sections 10.1,10.4 & 10.5 reactions
- 10.4. Conditions to avoid
- Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.
- 10.5. Incompatible materials
- Materials to avoid Strong acids. Aluminium, Tin, Zinc and their alloys.
- 10.6. Hazardous decomposition products
- Hazardous decomposition No known hazardous decomposition products. products

11 TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects
- Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

12 ECOLOGICAL INFORMATION

- Ecotoxicity Potentially hazardous due to the alkalinity of the product.
- 12.1. Toxicity
- Toxicity We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.
- 12.2. Persistence and degradability 12.3. Bio accumulative potential

- Bio accumulative potential The product does not contain any substances expected to be bio accumulating.
- 12.4. Mobility in soil
- Mobility Not known.
- 12.5. Results of PBT and vPvB assessment
- Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB.
- Assessment
- 12.6. Other adverse effects
- Other adverse effects Not known.

13 DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods
- Disposal methods Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

14 Transport information

- 14.1. UN number
- UN No. (ADR/ RID)
  - 1719
- UN No. (IMDG)
  - 1719
- UN No. (ICAO)
  - 1719
- 14.2. UN proper shipping name
- Proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution) (ADR/RID)

- Proper shipping name (IMDG) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)
- Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)
- 14.3. Transport hazard class(es)

• ADR/RID class	• Class 8: Corrosive substances.
• ADR/RID label	• 8
• IMDG class	• Class 8: Corrosive substances.
• ICAO class/division	• Class 8: Corrosive substances.
• Transport labels	
• 	
• 14.4. Packing group	•
• ADR/RID packing group	• II
• IMDG packing group	• II
• ICAO packing group	• II

- 14.5. Environmental hazards
- Environmentally hazardous substance/marine pollutant No.

- 14.6. Special precautions for user
- EmS F-A, S-B
- Tunnel restriction code (E)
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
- Transport in bulk according to Not relevant. for a packaged product. Annex II of MARPOL 73/78 and the IBC Code

15 REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- EU legislation Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".
- The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".
- Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No
- 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".
- 15.2. Chemical safety assessment
- No chemical safety assessment has been carried out as not applicable as this product is a mixture

16 OTHER INFORMATION

• Abbreviations and acronyms used in the safety data sheet	• PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. • ATE: Acute Toxicity Estimate. • ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. • IMDG: International Maritime Dangerous Goods. • ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. • REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577. • GHS: Globally Harmonized System. • Spec Conc Limits = Specific Concentration Limits.
• Classification abbreviations and acronyms	• Eye Dam. = Serious eye damage • Met. Corr. = Corrosive to metals • Skin Corr. = Skin corrosion
• Key literature references and sources for data	• Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
• Classification procedures	• Calculation Method.
• SDS status	• The Hazard Statements listed below in this Section No 16 relate to the Raw Materials • (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.
• Hazard statements in full	• H290 May be corrosive to metals. • H314 Causes severe skin burns and eye damage. • H318 Causes serious eye damage.