Material Safety Data Sheet

Ultra Solo K4

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1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION OF THE COMPANY

- Product Name :- Ultra Solo K4
- 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	EINECAS No	CAS NO
sodium dichloroisocyanurate,dihydrate	(3-10) %	220-767-7	51580-86-0
Xn,N;R22-31-36/37-50/53			

3 HAZARDS IDENTIFICATION

Risk phrases:

- R31 - Contact with acids liberates toxic gas.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- N - Dangerous for the environment
- S 8 - Keep container dry.
- S22 - Do not breathe dust.
- S61b - Avoid release to the environment. Refer to safety data sheet.

- Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.

4 FIRST AID MEASURES

- Inhalation Remove from source of exposure. Get medical attention immediately.
- Skin contact Not required under normal use. Immediately wash off with plenty of water. If irritation develops get medical attention.
- Eye contact Wash off immediately with plenty of water. Get medical attention.
- Ingestion Remove material from mouth. Immediately drink 1-2 glasses of water or milk. Get medical attention.
- Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.
- Most important symptoms and effects, both acute and delayed
- Inhalation Can cause irritation. May cause bronchospasm in chlorine sensitive individuals.
- Skin contact Unlikely to be irritant in normal use.
- Eye contact Can cause irritation.
- Ingestion Unlikely to be harmful unless excessive amount ingested.

5 FIRE FIGHTING MEASURES

- Extinguishing media
- Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.
- Special hazards arising from the substance or mixture
- No special hazards known.
- Advice for firefighters
- As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures
- Ensure adequate ventilation. Do not breathe dust or vapour. Wear suitable protective clothing, gloves and eye/face protection.
- Environmental precautions
- Do not allow to enter drainage system, surface or ground water.
- Methods and material for containment and cleaning up
- Collect mechanically. Ensure adequate ventilation.
- Reference to other sections

7 HANDLING & STORAGE

- Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products. Avoid dust formation.
- Prevention of fire and explosion
- No special precautions required.
- Conditions for safe storage, including any incompatibilities
- Requirements for storage rooms / facilities:
- In accordance with local and national regulations.
- Combined storage in storage rooms / facilities:
- In accordance with local and national regulations. Store away from acids.
- Basic storage conditions
- Store in original container. Keep container tightly closed.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

- Air limit values, if available:
- Biological limit values, if available:
- Recommended monitoring procedures, if available:
- Additional exposure limits under the conditions of use, if available:
- General health and safety measures

- Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Do not breathe dust.
- The following information applies for the uses indicated in subsection 1.2.
- If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

- Recommended safety measures for handling the undiluted product:
- Appropriate engineering controls: Use only in well ventilated areas.
- Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

- Eye / face protection: No special requirements under normal use conditions.
- Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary
- Body protection: No special requirements under normal use conditions.
- Respiratory protection: Respiratory protection is not normally required However, inhalation of dust should be avoided
- Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted.

9 PHYSICAL & CHEMICAL PROPERTIES

- Colour White
- Odour Chlorine
- Dilution pH: ≈ 8 (1%)
- Boiling point/range (°C): Not determined
- Flash point (°C): Not applicable.
- Flammability Not flammable.
- Specific gravity: 1.10 g/cm³ (20°C)
- Solubility in / Miscibility with Water: Soluble
- Explosive properties Not explosive.

- Oxidising properties: Not oxidising.

10 STABILITY & REACTIVITY

- Reactivity
- No reactivity hazards known under normal storage and use conditions.
- Chemical stability
- Stable under normal storage and use conditions.
- Possibility of hazardous reactions
- No hazardous reactions known under normal storage and use conditions.
- Conditions to avoid
- Store under dry conditions.
- Incompatible materials
- Reacts with acids releasing toxic chlorine gas.
- None known under normal storage and use conditions.

11 TOXICOLOGICAL INFORMATION

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Mixture data:
- Based on available data, the classification criteria are not met.
- Substance data, where relevant and available

12 ECOLOGICAL INFORMATION

Toxicity

- No data is available on the mixture.

Aquatic long-term toxicity

- sodium dichloroisocyanurate,dihydrate No data available

Biodegradation Ready biodegradability - aerobic conditions

- sodium dichloroisocyanurate,dihydrate No data available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

- Waste from residues / unused products:
- The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging

- Recommendation: Dispose of observing national or local regulations.

14 Transport information

ADR, RID, ADN, IMO/IMDG, ICAO/IATA

- UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. (sodium dichloroisocyanurate dihydrate)
- Transport hazard class(es): Class:9
- Packing group: III
- Environmentally hazardous:Yes
- Marine pollutant Yes
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.
- The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code.
- Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.
- Transport

15 REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Ingredients according to EC Detergents Regulation 648/2004
- phosphates 15 - 30%
- Chemical safety assessment

- Classification Code M7
- A chemical safety assessment has not been carried out on the mixture

16 OTHER INFORMATION

- The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract
- Full text of the R, H and EUH phrases mentioned in section 3

Regulatory information

- Environmentally hazardous substance, solid, n.o.s. (sodium dichloroisocyanurate dihydrate)
- • R31 - Contact with acids liberates toxic gas.
- • R22 - Harmful if swallowed.
- 14.6 Special precautions for user: None known.
- • R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- • R36/37 - Irritating to eyes and respiratory system.
- • R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- • H302 - Harmful if swallowed.
- • H319 - Causes serious eye irritation.
- • H335 - May cause respiratory irritation.
- • H400 - Very toxic to aquatic life.
- • H410 - Very toxic to aquatic life with long lasting effects.
- • EUH031 - Contact with acids liberates toxic gas.

Abbreviations

- ACGIH American Conference of Governmental Industrial Hygienists
- CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
- CNS Central Nervous System
- EC No. EC No - European Community Number
- GHS Globally Harmonized System

- IARC International Agency for Research on Cancer
- LD50 Lethal Dose, 50% / Median Lethal Dose
- mg/m³ Milligrams per Cubic Metre
- PEL Permissible Exposure Limit
- pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
- ppm Parts Per Million
- REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- STOT-RE Specific target organ toxicity (repeated exposure)
- STOT-SE Specific target organ toxicity (single exposure)
- SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
- TLV Threshold Limit Value
- TWA/OEL Time Weighted Average or Occupational Exposure Limit