Material Safety Data Sheet

Bright San – CP30

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Bright San – CP30

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION OF THE COMPANY

- Product Name :- Bright San – CP30
- 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	Classification
sodium hydroxide	10-30 %	215-185-5	1310-73-2	Skin Corr. 1A (H314)Met. Corr. 1 (H290)
alkyl alcohol ethoxylate	1-10 %	-- -----	146340-16-1	Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

- Classification: Xi Irritant
- ·Hazards for man and the environment:

R 36/38 Irritating to eyes and skin.



- Classification system
- The classification complies with current EC regulations on dangerous substances and preparations.

4 FIRST AID MEASURES

General Information:

- If unconscious place in recovery position and seek medical advice. Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use ventilator.
- Inhalation: Get medical attention or advice if you feel unwell.
- Skin contact: Wash skin with plenty of lukewarm, gently flowing water for at least 30 minutes. Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor or physician.
- Eye contact:
- Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE,doctor or physician.
- Ingestion:
- Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor or physician.
- Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.
- Inhalation:
- No known effects or symptoms in normal use.
- Skin contact:
- Causes severe burns.
- Eye contact:
- Causes severe or permanent damage.
- Ingestion:
- Ingestion will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

5 FIRE FIGHTING MEASURES

5.1 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

- No special precautions required.
- Measures required to protect the environment:
- For environmental exposure controls see subsection 8.2.
- Advices on general occupational hygiene:
- Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with

other products Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with skinand eyes. Do not breathe dust. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

Conditions for safe storage, including any incompatibilities

- Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.

Specific end use(s)

- No specific advice for end use available.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure controls

- The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.
- 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:
- Covering activities such as filling and transfer of product to application equipment, flasks or buckets
- Appropriate engineering controls: If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required. Where possible: use in automated/closed system and cover open containers. Transport over pipes. Filling with automatic systems. Use tools for manual handling of product.
- Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

- Eye / face protection: Safety glasses or goggles
- Hand protection: Chemical-resistant protective gloves . Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.
- Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm
- Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min
- Material thickness: ≥ 0.4 mm
- In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
- Body protection: Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur
- Respiratory protection: If exposure to dust cannot be avoided use: half mask with particle filter or full-face mask with particle filter Consider specific local use conditions. In consultation with the supplier of respiratory protection equipment a different type providing similar protection may be chosen.
- Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 4

- Appropriate engineering controls: Where possible: use in automated/closed system and cover open containers. Transport over pipes.
- Filling with automatic systems. Use tools for manual handling of product.
- Appropriate organizational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

- Eye / face protection: Safety glasses or goggles The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur.
- Hand protection: Chemical-resistant protective gloves . Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.
- use conditions. In consultation with the supplier of respiratory protection equipment a different type providing similar protection may be chosen. Specific applications tools may be available to limit exposure. Please refer to the product information sheet for the possibilities.

9 PHYSICAL & CHEMICAL PROPERTIES

- **Physical State:** Solid
- **Colour:** White
- **Odour:** Product specific
- **Odour threshold:** Not applicable
- Dilution pH: ≈ 13 (1%)
- Boiling point/range (°C): Not determined
- Flash point (°C): Not applicable.
- Flammability Not flammable.
  - Evaporation rate: Not determined Not relevant to classification of this product
  - Flammability (solid, gas): Not determined
  - Upper/lower flammability limit (%): Not determined
  - Explosive properties: Not explosive.
  - Oxidising properties: Not oxidising.
- Solubility in / Miscibility with Water: Soluble

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

- None known under normal storage and use conditions.

Incompatible materials

- Reacts with acids.

Hazardous decomposition products

- None known under normal storage and use conditions.

11 TOXICOLOGICAL INFORMATION

Potential adverse health effects and symptoms

- Effects and symptoms related to the product, if any, are listed in subsection 4.2

Aspiration hazard

- Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative densityof the product

Chronic toxicity

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

Sub-chronic inhalation toxicity

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

Carcinogenicity

- sodium hydroxide No evidence for carcinogenicity, weight-of-evidence
- alkyl alcohol ethoxylate No data available

Sensitisation by inhalation

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

Respiratory tract irritation and corrosivity

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

Eye irritation and corrosivity

- sodium hydroxide Corrosive
- alkyl alcohol ethoxylate Not corrosive or irritant

Skin irritation and corrosivity

- sodium hydroxide Corrosive
- alkyl alcohol ethoxylate Irritant

Acute inhalative toxicity

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

12 ECOLOGICAL INFORMATION

Toxicity

- No data is available on the mixture.

Aquatic long-term toxicity

- sodium hydroxide No data available
- alkyl alcohol ethoxylate No data available

Biodegradation Ready biodegradability - aerobic conditions

- sodium hydroxide Not applicable (inorganicsubstance)
- alkyl alcohol ethoxylate 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

- Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)
- UN number: 1823
- UN proper shipping name:
- Transport hazard class(es):
- Transport hazard class (and subsidiary risks): 8
- Packing group: II

Environmental hazards:

- Environmentally hazardous: No
- Marine pollutant: No

Special precautions for user: None known.

- Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.
- Other relevant information:
- Classification code: C6

- Tunnel restriction code: E
- Hazard identification number: 80
- EmS: F-A, S-B
- Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

15 REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations:
- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation
- Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.
- Ingredients according to EC Detergents Regulation 648/2004
- phosphates, non-ionic surfactants < 5 %
- The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
  Chemical safety assessment
- 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
  •R35-Causes severe burns. •R50-Very toxic to aquatic organisms. •R38-Irritating to skin. •H314-Causes severe skin burns and eye damage.
  •H315-Causes skin irritation. •H400-Very toxic to aquatic life.
  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