Material Safety Data Sheet

Acid Delime - AD1

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

- Product Name :- Acid Delime - AD1
- 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
Phosphoric acid	**10- 30 %**	**---**	**7664-38-2**
Non ionic Surfactant	**1-5 %**	**---**	**127087 87 0**
Nitric acid	**10- 30 %**		**7697-37-2**

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:
- Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell.
- Skin contact: Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor or physician.
- Eye contact: Immediately rinse eyes cautiously with lukewarm water for several 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. 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.
- First aid facilities: Shower and eyewash facilities should be considered in a workplace where necessary.
- Most important symptoms and effects, both acute and delayed
- 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

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:
- Wear suitable protective clothing, gloves and eye/face protection.
- Environmental precautions
- Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

- Methods and material for containment and cleaning up Use neutralizing agent. Absorb onto dry sand or similar inert material.

7 HANDLING & STORAGE

- Precautions for safe handling
- Measures to prevent fire and explosions:
- 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.
- .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.
- Use personal protective equipment as required. Avoid contact with skin and eyes.
- Use only with adequate ventilation.
- Conditions for safe storage, including any incompatibilities
- Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

- Additional information about design of technical systems:
- No further data; see section 7
- Components with limit values that require monitoring at the workplace:
- Phosphoric acid (15-30%)
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- TLV (Europe): Short-term value:
- 5 mg/m³ Long-term value: 1 mg/m³
- Additional information:
- The lists that were valid during the compilation were used as basis.
- 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 (%): 30

- Appropriate engineering controls: No special requirements under normal use conditions.
- Appropriate organisational controls: No special requirements under normal use conditions.
- 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: No special requirements under normal use conditions.
- Environmental exposure controls: No special requirements under normal use conditions.

PHYSICAL & CHEMICAL PROPERTIES

- Physical State: Liquid
- Colour: Clear, pale Yellow
- Odour: Product specific
- Odour threshold: Not applicable
- pH: ≈ 1 (neat)
- Flash point (°C): Not applicable.
- Sustained combustion: Not determined
- Evaporation rate: Not determined
- Flammability (solid, gas): Not determined
- Upper/lower flammability limit (%): Not determined

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
- Keep away from products containing chlorine-based bleaching agents or sulphites. Reacts with alkali.
- Hazardous decomposition products
- None known under normal storage and use conditions.

11 TOXICOLOGICAL INFORMATION

- 11.1) Information on toxicological effects
- No data is available on the mixture
- Hazardous ingredients:
- Symptoms / routes of exposure
- Skin contact: There may be irritation and redness at the site of contact.
- Eye contact: There may be irritation and redness. The eyes may water profusely.
- Ingestion: There may be soreness and redness of the mouth and throat.
- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
- Delayed / immediate effects: Immediate effects can be expected after short term exposure.

12 ECOLOGICAL INFORMATION

- Toxicity
- Ecotoxicity values:
- No data available.
- Persistence and degradability:
- Not biodegradable.
- Bioaccumulative potential:
- Bioaccumulation potential.

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.
- Suitable cleaning agents: Water, if necessary with cleaning agent.

14 Transport information

- ADR, RID, ADN, IMO/IMDG, ICAO/IATA
- UN number: 1805
- UN proper shipping name:
- Transport hazard class(es):
- Class: 8
- Label(s): 8
- Packing group: III
- Environmental hazards:
- Environmentally hazardous: No
- Marine pollutant: No
- Special precautions for user: None known.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.
- Other relevant information:
- ADR
- Classification code: C1
- Tunnel restriction code: E
- Hazard identification number: 80

15 REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.
- Ingredients according to EC Detergents Regulation 648/2004
- non-ionic surfactants < 5%
- Chemical safety assessment
- A chemical safety assessment has not been carried out on the mixture

16 OTHER INFORMATION

- R34 - Causes burns.
- R36/38 - Irritating to eyes and skin.
- H314 - Causes severe skin burns and eye damage.
- 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 Meter
- 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, Authorization 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