1. Identification of the Substance and Company

CIP 100
Alkaline Process and Research Cleaner
Product No. 1D10

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Date Revised: May 4, 2010
Date Reviewed: NA

Engineering Controls/Ventilation: Local exhaust ventilation recommended to maintain air concentrations below established limits.

9. Physical and Chemical Properties

Solubility in Water: Complete


pH: 1% solution: Approximately 12.3 – 12.8

Hazardous Polymerization: Will not occur.

Incompatible Materials: Acids, soft metals, oxidizers, organic halogen compounds.

Conditions to Avoid/Conditions of Reactivity: None known.

10. Stability and Reactivity

Stability: Stable

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Corrosive to eyes, skin, mouth throat and stomach. Spray mists are extremely irritating to mucous membranes and upper respiratory tract.

Skin (Irritancy or Sensitization): May cause severe irritation or burns.

Inhalation: Mists extremely irritating to mucous membranes, upper respiratory tract.

Ingestion: Corrosive to mouth, throat and stomach. Oral LD50 (rat) = 860 mg/kg.

11.2 Long Term Exposure:

None known.

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information: Aquatic Toxicity: LC50 (10% Solution)(Pimephales promelas) > 750 mg/L

The surfactant contained in this preparation complies 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.

13. Disposal Considerations:

Do not contaminate ponds, waterways, or ditches with chemical or used containers. The information on this sheet is not a specification and does not guarantee specific properties.

6. Accidental Release Measures:

Ensure suitable personal protection during removal of spillages. Spills should be contained and may be cautiously neutralized with a weak acid solution, or absorbed on appropriate material and placed in a container for disposal. Wash contaminated areas with large quantities of water to a sanitary sewer. Washings should be prevented from entering surface water/storm drains. Local regulations should be observed.

7. Handling and Storage

7.1 Handling: For industrial use only. Read label before use. Avoid all contact with skin, eyes and mouth. Wear appropriate protective clothing [See Section 8.2]. Wash hands and exposed skin thoroughly after use. Launder contaminated protective clothing before reuse.

7.2 Storage: Keep in original container. Keep out of reach of children.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits: Potassium hydroxide: ACGIH TLV = 2 mg/m³ (ceiling); UK HSE EH40 STEL = 2 mg/m³

8.2 Personal Protection: Respirator Protection: Where engineering controls are impractical, use NIOSH-approved respirator appropriate for conditions.

Eye Protection: Chemical splash goggles and face shield.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: Rubber apron and rubber boots.

S A F E T Y D A T A S H E E T