

SAFETY DATA SHEET ALKADOSE

1. IDENTIFICATION OF CHEMICAL

Chemical name: Caustic soda Liquid 23%
CAS number: 1310-73-2
EINECS number: 215-185-5

2. COMPOSITION

Percentage composition:

3. HAZARD IDENTIFICATION

Main hazards: Harmful by inhalation, in contact with skin and if swallowed. Causes severe burns.

4. FIRST AID MEASURES

Skin Contact: In the case of skin contact, flood the splashed area with large quantities of running water

Eye Contact: If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes

Ingestion: If the chemical has been confined to the mouth, give large quantities of water as a mouth wash. Ensure the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml water to dilute it in the stomach. In severe cases seek medical attention

Inhalation: Remove the casualty of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation

5. FIRE FIGHTING MEASURES

Exposure hazards: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Suitable extinguisher: Use dry chemical powder

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves

Leaks & spills: Sweep up spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.

Clean-up procedures: Wash the spillage site with large amounts of water

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7. HANDLING AND STORAGE

Handling: Wear a respirator, chemical resistant gloves, safety goggles and protective clothing. Only use in a chemical fume hood. 8" minimum face shield required. Avoid prolonged or repeated contact. Wash thoroughly after handling.

Storage precautions: Keep containers closed. Store in a cool dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection: Wear appropriate protective clothing

Exposure limits: 2mg/m³ – 15 min

Type: IPR-MUS LD50

Toxicity: 40 mg/kg

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula:

Appearance and odour: liquid

Solubility:

Boiling point/range°C:

Melting point/range°C:

Oxidising:

Explosive limits: lower:

Upper:

Flash point°C

Part coefficient:

Flammability:

Autoflammability°C

Vapour pressure:

Relative density:

PH:

10. STABILITY AND REACTIVITY

Stability:

Avoid contact with: Strong acids. Absorbs CO₂ from the air

11. TOXICOLOGICAL INFORMATION

Health effects: Skin: The liquid is extremely destructive to skin tissue. In contact with skin this substance causes severe burns accompanied by blistering and peeling.

Eyes: The liquid is extremely destructive to eyes. In severe cases it will cause corneal burns which may result in impairment or loss of sight.

Inhalation: Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, Headache, nausea and vomiting. Material is extremely destructive to the tissue of mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed. If swallowed there is immediate severe irritation and damage. Symptoms include headache, nausea and vomiting.

Cont.....

12. ECOLOGICAL EFFECTS

Ecotoxicity: Data not available
Persistence: Data not available
Appraisal: Data not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: For small quantities: cautiously add to a large excess of water. Adjust the pH to Neutral, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solution down the drain with plenty of water. The hydrolysis and neutralisation reactions may generate heat and fumes which can be controlled by the rate of addition. Observe all local and environmental regulations

14. TRANSPORT INFORMATION

IMDG code

UM no: 1824
Packing group: (ii), (iii)
Class item: 8
ADR/RID Subst ID no: 1824
Class no: 8,42(b),(c)
IATA/ICAO:
UN no: 1824
IATA class:
Index no:
Transport precautions:

15. REGULATORY INFORMATION

Classification: Corrosive
Risk phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R34 Causes burns
Safety phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S27 Take off immediately all contaminated clothing
S36 Wear suitable protective clothing

16. ADDITIONAL INFORMATION

Application:

Additional information:

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide.