

4 Watling Close
Sketchley Meadows Industrial Estate
Hinckley
Leicestershire LE10 3EZ
United Kingdom
Tel: 01455 630790
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Kleen Foam

Safety Data Sheet

1. Product and Company Identification

- 1.1.Product Name:** Kleen Foam
1.2.Distributor: National Refrigerants of America Ltd.,
4 Watling Close
Sketchley Meadows Industrial Estate
Hinckley
Leistershire
LE10 3EZ
- 1.3.Emergency Telephone No.:**
IN AN EMERGENCY DAIL 999 (UK Only)
For specialist advice in an emergency telephone
+441455 630790

2. Composition/Information on Ingredient

Chemical Description: Sodium Hydroxide Preparation
Hazardous Components: Sodium Hydroxide
Tetra sodium EDTA
Potassium silicate
Alkyl Polyglycoside

3. Hazard Identification

Overview: Danger! Poison! Corrosive to all body tissues. Avoid contact with skin or eyes. Harmful if inhaled or swallowed

Potential Health Effects:

Inhalation: Inhalation of vapour or mist is corrosive to respiratory tract.

Eye contact: Liquid or vapours are corrosive to eyes.

Skin contact: Liquid or vapours corrosive to skin.

Ingestion: Toxic. May cause sever damage, perforation, and scarring of gastrointestinal tract.

Chronic effects: Chemical pneumonitis

4. First Aid Measures

Inhalation: Remove victim to fresh air and keep warm. If breathing fails give artificial respiration. Authorised personnel may give oxygen if breathing is laboured. Obtain immediate medical attention.

Eye Contact: Flush eye for at least 15 minutes holding the eye open. Obtain immediate



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medical attention.

Skin contact: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

Ingestion: DO NOT INDUCE VOMITING. Get immediate medical attention.

See also Section 11.

5. Fire Fighting Measures

Extinguishing Media: Dry Powder, Carbon dioxide (CO₂) Water fog or spray.

Hazard: Exposed to heat and fire toxic fumes of Na₂O, CO, CO₂, SO_x generated.

Fire Fighting Protective Equipment: Fire-fighters wear protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures (Spillage)

Personal Precautions: Use approved personal protective equipment.

Land Spill: Flush to sewer with large amounts of water, at least 10 parts water to 1 part cleaner. Notify National Rivers Authority and local Environmental Health Officer if major spillage occurs.

Water Spill: Notify National Rivers Authority and local Environmental Health Officer if major spillage occurs.

Recovery of Major Spillage: Contain spill with inert material. Absorb spilled material with sand or earth and remove to a safe place. Flush area with water.

Minor Spillage: Wash area down with copious amounts of water.

7. Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. After handling this product wash hands before eating, drinking or smoking. If contact occurs remove contaminated clothing. If needed take first aid action shown above. Launder contaminated clothing before reuse.

Storage: Store in a dry place protected against moisture and water. Keep well separated from acids and acidic materials.

8. Exposure Controls & Personal Protection

Engineering Controls: Local exhaust recommended.

Personal Protection:

Respiratory: In cases where mist may be formed ventilate to maintain vapour concentrations below exposure limit. If not use a well maintained chemical cartridge respirator, or use self contained breathing apparatus.

Hand: Use nitrile gloves or PVC gauntlets.

Eye: Use chemical splash proof glasses or goggles

Skin: If skin contact or contamination of clothing is likely protective clothing must be worn.

9. Physical and Chemical Properties

Appearance: Pink Liquid

Odour: Pungent odour.

pH: 13.91



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Boiling Point: 110°C
Melting Point: ND
Flash Point: Not applicable.
Flammability Upper: Not applicable.
Flammability Lower: Not applicable.
Vapour Dencity (Air = 1): ND
Specific Gravity: 1.25 g/ml

10. Stability and Reactivity

Stability: Stable.
Conditions to Avoid: High Temperatures.
Materials to Avoid: Strong acids, acidic materials.
Hazardous Decomposition products: From combustion smoke, carbon monoxide, carbon dioxide, oxides of sulphur, Na₂O.

11. Toxicological Information

Sodium hydroxide	LDLo:	500 mg/kg	(oral – rat)
		50 g/24 hr	(eye – rabbit)
Surfactant	LDLo:	15 mg/kg/3D-1	(oral – rat)
	LD50:	2590 ml/kg	(oral – rat)
		2830 ml/kg	(skin – rabbit)

12. Ecological Information

No Data

13. Disposal Considerations

Disposal Method: Dispose as hazardous waste in accordance with legislation. Do not dispose as domestic waste.
Contaminated Packaging: Empty completely and rinse with water.

14. Transport Information

Packaging size: 1 & 5 US gallon plastic bottles.
Class (ADR): 8
UN Number: UN1824
Packing Group: II
Proper Shipping Name (ADR): UN 1824 Sodium hydroxide solution, 8, II

15. Regulatory Information

Supply Classification Hazard Pictogram: Corrosive.
Risk Phrases: 35 Causes sever burns
Safety Phrases: 2 Keep out of the reach of children
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.

16. Other Information



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