

SAFETY DATA SHEET

Page 1 of 3

ALKALI BOOST

Revision 4
Revision date 5-Feb-2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name ALKALI BOOST
Company Merlin Chemicals Ltd
Unit 5, Passfield Mill Business Park, Liphook, Hants. GU30 7RR
technical@merlinchemicals.co.uk
www.merlinchemicals.co.uk
Telephone 01428 751122
Fax 01428 751133

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Trisodium nitroacetate	10-20%	5064-31-3		Xn;R22 Xi;R36 Xi;R38
Sodium hydroxide	10-20%	1310-73-2	215-185-5	C; R35

3. HAZARDS IDENTIFICATION

Main hazards Causes severe burns.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to respiratory system. Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.

Ingestion If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear: Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation of the working area. Wear suitable protective equipment.

Environmental precautions Prevent further spillage if safe. Do not allow product to enter drains. Do not flush into surface water. Advise local authorities if large spills cannot be contained.

Clean up methods Contain with sand or granules. Cautiously neutralise with a weak acid solution and transfer to a suitable container for waste disposal.

ALKALI BOOST

Revision 4
Revision date 5-Feb-2007

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Sodium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Hand protection	Rubber gloves.
Eye protection	Face shield.
Protective equipment	Adopt best Manual Handling considerations when handling, carrying and dispensing.
Environmental exposure controls	Users should be aware of environmental considerations and their duties under the Environmental Protection Act.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Yellow.
Odour	Characteristic.
pH	>13
Relative density	1.195 - 1.205
Water solubility	soluble in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Acids, aluminium and zinc.
Hazardous decomposition products	Evolves hydrogen in contact with aluminium and zinc. Can react violently with acids and chlorinated hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Ingestion may result in perforation of digestive tract, haemorrhage and severe burns to mouth and throat. Inhalation may result in severe burns to the respiratory tract. Eye contact may result in severe burns causing permanent eye damage. Skin contact may result in severe burns with permanent skin damage which are slow to heal.
-----------------------	---

12. ECOLOGICAL INFORMATION

Mobility	Miscible in water.
Degradability	Can cause long term adverse effects for the aquatic environment. High pH values and sodium content has a potential to damage soil structure.
Further information	Highly toxic to aquatic organisms due to high pH.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
----------------------------	---

ALKALI BOOST

Revision 4
Revision date 5-Feb-2007

14. TRANSPORT INFORMATION

ADR/RID

UN 1824
Class 8
Packing group II
Hazard ID 80
Proper Shipping Name SODIUM HYDROXIDE, SOLUTION .

IMDG

UN 1824
Class 8
Packing group II
Marine pollutant NO
EmS Code F-A S-B

IATA

UN 1824
Class 8
Packing group II
Subsidiary risk -
Packing Instruction 813 (Cargo) Maximum quantity 30 L
Packing Instruction 809 (Passenger) Maximum quantity 1 L

15. REGULATORY INFORMATION

Symbols

C - Corrosive



Risk phrases

R35 - Causes severe burns.

Safety phrases

S1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S25 - Avoid contact with eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S46 - If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Text of risk phrases in Section 2

R22 - Harmful if swallowed.
R35 - Causes severe burns.
R36 - Irritating to eyes.
R38 - Irritating to skin.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This version replaces all previous versions.

Revision

This document differs from the previous version in the following areas:
8 - protective equipment.