SAFETY DATA SHEET
SODA ASH

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	SODA ASH
SYNONYMS, TRADE NAMES	SODIUM CARBONATE
APPLICATION	pH modifier.
SUPPLIER	M-I Drilling Fluids UK Ltd, Pocra Quay, Footdee, Aberdeen. AB11 5DQ T -44 (0)1224-584336 F -44 (0)1224-576119
EMERGENCY TELEPHONE	+44(0)208 762 8322

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SODIUM CARBONATE	207-838-8	497-19-8	60-100%	Xi;R36

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The data shown is in accordance with the latest EC Directives.

3 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION Xi;R36.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

SPECIFIC HAZARDS

Fire or high temperatures create: Carbon dioxide (CO_2).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Collect in containers and seal securely. Remove containers and flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Do not use contact lenses. Avoid spilling, skin and eye contact. Avoid spread of dust. Use mechanical ventilation in case of handling which causes formation of dust.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
SODIUM CARBONATE	WEL		4 mg/m3 resp. dust		

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits WEL TWA 4mg/m3 respirable dust, 10mg/m3 total dust.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Use specified dust masks. Dust filter P2 (for fine dust).

HAND PROTECTION

Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Granular Powder, dust		
COLOUR	White		
ODOUR	No characteristic odour.		
SOLUBILITY	Completely soluble in water		
MELTING POINT (°C)	851° C	RELATIVE DENSITY	2.53 @ 20°C
pH-VALUE, CONC. SOLUTION	11.6	SOLUBILITY VALUE (g/100g H2O@ 20°C)	22g/100ml.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon dioxide (CO_2).

11 TOXICOLOGICAL INFORMATION

INHALATION

Gas or vapour in high concentrations may irritate respiratory system.

INGESTION

May cause gastric distress, nausea and vomiting if ingested.

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Irritating to eyes. Repeated exposure may cause chronic eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

OSPAR have defined this chemical as PLONOR. Contact M-I Swaco's QHSE Department for ecological information.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING

Irritant

RISK PHRASES

R36	Irritating to eyes.

SAFETY PHRASES

S22	Do not breathe dust.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

HMIS Health - 1 HMIS Flammability - 1 HMIS Physical Hazard - 0 E - Safety glasses, Gloves, Dust Respirator

INFORMATION SOURCES

Product information provided by the commercial vendor(s). Material Safety Data Sheet, Misc. manufacturers. Sax's Dangerous Properties of Industrial Materials, 10th ed., Lewis, R.J. Sr., (ed.).

REVISION COMMENTS

The following sections have been revised: 4, 5, 6, 7, 8, 10, 12, 14, 15 and 16. Revised by Bill Cameron

ISSUED BY

Sam Hoskin

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RISK PHRASES IN FULL

R36	Irritating to eyes.

DISCLAIMER

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all apprlicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.