

MD 3

J009

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Code J009

Manufacturer : Selden Research Limited
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United Kingdom

Product Name MD 3

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2 HAZARDS IDENTIFICATION

R35 Causes severe burns.

Classification C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	5 - 10%	C;R35

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

4 FIRST-AID MEASURES

GENERAL INFORMATION	Chemical burns must be dealt with immediately, do not delay., CAUTION! First Aid personnel must be aware of own risk of burns.
INHALATION	Remove victim immediately from source of exposure., Provide rest, warmth and fresh air., Get medical attention if any discomfort continues.
INGESTION	DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention immediately!
SKIN CONTACT	Immediately remove contaminated clothing., Rinse immediately with plenty of water., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.
EYE CONTACT	Promptly wash eyes with plenty of water while lifting the eye lids., Make sure to remove any contact lenses from the eyes before rinsing., Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	The product is non-combustible., Use fire-extinguishing media appropriate for surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES	Use special protective clothing. Regular protection may not be safe.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Collect spillage in containers, seal securely and deliver for disposal according to local regulations., Inform Authorities if large amounts are involved.
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7 HANDLING AND STORAGE

USAGE PRECAUTIONS	Avoid spilling, skin and eye contact.
USAGE DESCRIPTION	Store separated from., Acids.
STORAGE PRECAUTIONS	Controlled substance storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



HAND PROTECTION	Use protective gloves., Rubber (natural, latex).
EYE PROTECTION	Use approved safety goggles or face shield.
OTHER PROTECTION	Wear suitable protective clothing as protection against splashing or contamination.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	Amber
ODOUR	Odourless
BOILING POINT (°C)	>100
RELATIVE DENSITY	1.13 - 1.14 @ 20 °C
pH-VALUE, CONC. SOLUTION	>13.0
SOLUBILITY	Soluble in water
FLASH POINT (°C)	N/A

10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid contact with acids.
MATERIALS TO AVOID	Strong acids., Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

11 TOXICOLOGICAL INFORMATION

INHALATION	May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
INGESTION	Causes severe burns., Harmful if swallowed.
SKIN CONTACT	Causes severe burns.
EYE CONTACT	Causes severe burns., Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY	Not classed as Hazardous to the Environment but release to the environment should be avoided.
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13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of waste and residues in accordance with local authority requirements.
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14 TRANSPORT INFORMATION

GENERAL	Derogation for Limited Quantities may be applicable to appropriate pack sizes, please check relevant modal legislation.
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TRANSPORT LABELS



UN NO. ROAD	1824
UK ROAD CLASS	8
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II
PROPER SHIPPING NAME	SODIUM HYDROXIDE SOLUTION
UN NO. SEA	1824
IMDG CLASS	8
IMDG PACK GR.	II
UN NO. AIR	1824
AIR CLASS	8
AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Corrosive (C)

CONTAINS	SODIUM HYDROXIDE
RISK PHRASES	R35 Causes severe burns.
SAFETY PHRASES	S1/2 Keep locked up and out of the reach of children., S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S27 Take off immediately all contaminated clothing., 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 label where possible).
UK REGULATORY REFERENCES	The Control of Substances Hazardous to Health Regulations 1988.
DETERGENT LABELLING	< 5% Amphoteric surfactants < 5% Anionic surfactants < 5% Phosphonates
STATUTORY INSTRUMENTS	Chemicals (Hazard Information and Packaging) Regulations.
APPROVED CODE OF PRACTICE	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES	Workplace Exposure Limits EH40., CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE	03/02/2012
REV. NO./REPL. SDS GENERATED	6
RISK PHRASES IN FULL	R35 Causes severe burns.