

S20

J002

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

Product Code J002

Manufacturer : Selden Research Limited
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 United Kingdom

Product Name S20

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2 HAZARDS IDENTIFICATION

R35 Causes severe burns.

Classification C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINCS No.	CAS No.	Content	Classification
POTASSIUM HYDROXIDE	215-181-3	1310-58-3	5 - 10%	C;R35 Xn;R22
SODIUM HYDROXIDE	215-185-5	1310-73-2	10 - 30%	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.

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

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
POTASSIUM HYDROXIDE	WEL		2 mg/m3	
SODIUM HYDROXIDE	WEL		2 mg/m3	

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level.

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.

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	Brown
ODOUR	Odourless

RELATIVE DENSITY 1.360 - 1.380 @ 20 °c
 pH-VALUE, CONC. SOLUTION >13.0

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.

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

TRANSPORT LABELS



UN NO. ROAD 1719
 UK ROAD CLASS 8
 UK ROAD PACK GR. II
 ADR CLASS Class 8: Corrosive substances.
 ADR PACK GROUP II
 PROPER SHIPPING NAME CAUSTIC ALKALI LIQUID,NOS (Sodium Hydroxide)
 UN NO. SEA 1719

15 REGULATORY INFORMATION

LABELLING



CONTAINS Corrosive (C)
 POTASSIUM HYDROXIDE, SODIUM HYDROXIDE
 RISK PHRASES R35 Causes severe burns.
 SAFETY PHRASES S1/2 Keep locked up and out of the reach of children., S23 Do not breathe vapour/spray., S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .. (to be specified by the manufacturer), 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)., S51 Use only in well-ventilated areas.
 UK REGULATORY REFERENCES The Control of Substances Hazardous to Health Regulations 1988.
 DETERGENT LABELLING < 5% Non-ionic surfactants
 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 20/04/2006
 REV. NO./REPL. SDS GENERATED 7
 RISK PHRASES IN FULL R22 Harmful if swallowed., R35 Causes severe burns.| R35 Causes severe burns.|