

SELATE

F032

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

Product Code F032

Manufacturer : Selden Research Limited
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Product Name SELATE

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2 HAZARDS IDENTIFICATION

R34 Causes burns.

Classification C;R34.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
2-AMINOETHANOL	205-483-3	141-43-5	1 - 5%	C;R34 Xn;R20/21/22
2-BUTOXYETHANOL	203-905-0	111-76-2	5 - 10%	Xn;R20/21/22 Xi;R36/38
DISODIUM METASILICATE	229-912-9	6834-92-0	5 - 10%	C;R34 Xi;R37
SODIUM CARBONATE	207-838-8	497-19-8	1 - 5%	Xi;R36

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First Aid personnel must be aware of own risk of burns., Chemical burns must be dealt with immediately, do not delay.

INHALATION

Remove victim immediately from source of exposure., Provide rest, warmth and fresh air., If breathing stops, provide artificial respiration., 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 immediately.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids., 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., Use:, Dry chemicals, sand, dolomite etc., Foam., Water spray.

SPECIAL FIRE FIGHTING PROCEDURES

Use water to keep fire exposed containers cool and disperse vapours.

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
2-AMINOETHANOL	WEL	3 ppm	7.6 mg/m ³	6 ppm	15 mg/m ³
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)	

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

Use protective gloves made of:, Rubber (natural, latex).

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION

General workwear only

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	Blue
ODOUR	Characteristic

BOILING POINT (°C)	100
RELATIVE DENSITY	1.063 - 1.073 @ 20 °C
pH-VALUE, CONC. SOLUTION	>13.0
SOLUBILITY	Soluble in water

10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid contact with acids., In contact with metals generates hydrogen gas, which together with air can form explosive mixtures.
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 burns., Harmful if swallowed.
SKIN CONTACT	Causes burns.
EYE CONTACT	Causes burns., Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY	Not regarded as dangerous for the environment.
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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

TRANSPORT LABELS



UN NO. ROAD	1760
UK ROAD CLASS	8
UK ROAD PACK GR.	III
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
PROPER SHIPPING NAME	CORROSIVE LIQUID,NOS (Disodium trioxosilicate, Ethanolamine)
UN NO. SEA	1760
IMDG CLASS	8
UN NO. AIR	1760
AIR CLASS	8

15 REGULATORY INFORMATION

LABELLING



Corrosive (C)

RISK PHRASES	R34 Causes 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., 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).
DETERGENT LABELLING	< 5% Amphoteric surfactants < 5% Non-ionic surfactants
STATUTORY INSTRUMENTS	Chemicals (Hazard Information and Packaging) Regulations., Control of Substances Hazardous to Health.
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	23/06/2010
REV. NO./REPL. SDS GENERATED	7
RISK PHRASES IN FULL	R36 Irritating to eyes. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed., R36/38 Irritating to eyes and skin. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed., R34 Causes burns., R37 Irritating to respiratory system. R34 Causes burns., R37 Irritating to respiratory system.