



ALUMINIUM RESTORER

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

Product Code

Supplier : CLEAN SOLUTIONS LIMITED
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Product Name ALUMINIUM RESTORER

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2 HAZARDS IDENTIFICATION

R36/38 Irritating to eyes and skin.

Classification Xi;R36/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
NITRIC ACID	231-714-2	7697-37-2	1 - 5%	O;R8 C;R35
PHOSPHORIC ACID	231-633-2	7664-38-2	10 - 30%	C;R34

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once., Rinse nose and mouth with water., Get medical attention if any discomfort continues.

INGESTION

Remove victim immediately from source of exposure., DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination., Remove contaminated clothing., Rinse the skin immediately with lots of water., Continue to rinse for at least 15 minutes., Get medical attention if irritation persists after washing.

EYE CONTACT

Hold eyelids apart., Important! Immediately rinse with water for at least 15 minutes., Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable., 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., Flush with plenty of water to clean spillage area.

ENVIRONMENTAL PRECAUTIONS

Any spillage needs to be contained and not allowed to enter water courses

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

USAGE DESCRIPTION

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
NITRIC ACID	WEL	2 ppm	4 ppm	10 mg/m3
PHOSPHORIC ACID	WEL	5.2 mg/m3 1 mg/m3	2 mg/m3	

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 safety goggles.

OTHER PROTECTION

General workwear only





9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	colourless
ODOUR	Odourless
RELATIVE DENSITY	1.090 - 1.100 @ 20 °c
pH-VALUE, CONC. SOLUTION	<1.0
SOLUBILITY	Soluble in water

10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire or high temperatures create:, Toxic gases/vapours/fumes of:, Carbon dioxide (CO2), Carbon monoxide (CO).

11 TOXICOLOGICAL INFORMATION

INHALATION	May cause irritation to the respiratory system.
INGESTION	Liquid irritates mucous membranes and may cause abdominal pain if swallowed., Nausea, vomiting.
SKIN CONTACT	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
EYE CONTACT	Risk of serious damage to eyes., Irritation of eyes and mucous membranes.

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

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 (Phosphoric acid, nitric acid)
UN NO. SEA	1760
IMDG CLASS	8
UN NO. AIR	1760

15 REGULATORY INFORMATION

LABELLING



RISK PHRASES	Irritant (Xi) R36/38 Irritating to eyes and skin.
SAFETY PHRASES	S2 Keep out of the reach of children, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S37/39 Wear suitable gloves and eye/face protection., S46 If swallowed, seek medical advice immediately and show this container or label.
DETERGENT LABELLING	< 5% Amphoteric 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	18/04/2006
REV. NO./REPL. SDS GENERATED	8
RISK PHRASES IN FULL	R8 Contact with combustible material may cause fire., R35 Causes severe burns. R34 Causes burns.

