

Wurex Aluminium Pickling Spray

Issue Date 25.10.2011

Product code: AL26

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Wurex Aluminium Pickling SprayAL26

Use of the Substance/preparation

Cleaning of aluminium surfaces

Company/undertaking identification Company name:

Dynaweld Industrial Supplies Pty Ltd

Address

123 Fairford Road Padstow NSW 2211 Australia

Tel: +61 2 9772 1144

Emergency Telephone: +61 2 9772 1144

Fax +612 9774 1685

Email: technical@dynaweld.com.au

2. Hazards identification

Classification

Indications of danger: Harmful, irritant

R-phrases:

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin.

3. Composition/information on ingredients

Chemical characterization (Mixture) Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-633-2	7664-38-2	Phosphoric acid...%% orthophosphoric acid...%	20-25%	C R34
231-634-8	7664-39-3	hydraflouric acid ... %,	<1%	T+ C R26/27/28-35

Full text of each relevant R phase can be found at heading 16

4. First Aid measures

General information Move victim out of danger zone. Take off immediately all contaminated clothing.

After inhalation: no harmful effect known.

After contact with skin After contact with skin, wash immediately with: Water and soap. Subsequently wash again with: Water.

After contact with eyes If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion Let water be swallowed in little sips (dilution *effect*). Provide fresh air. Immediately get medical attention

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water fog. Against bigger fire fight with water fog or alcohol-resistant foam.

Special protective equipment for fire-fighters In case of fire: no necessary.

Additional information Cool closed containers with water near by the source of fire. Risk of burst

6. Accidental release measures

Personal precautions Leave danger zone immediately. Avoid inhalation of gases and fumes, preferably use respiratory protective equipment (filter type A2B2E2K2-P3)

Environmental precautions Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods for cleaning up/taking up Use neutralisation product (e. g. soda, calcium hydroxide, thinned alkali solution) after diluting with plenty of water. Provide adequate ventilation.

Dispose contaminated material as waste according to chapter 13.

7. Handling and storage

Handling Advice on safe handling Keep container tightly closed. Adequate airing/ suction of the working place must be ensured. Wear personal protection equipment.

Advice on protection against fire and explosion No special measures are necessary.

Storage Requirements for storage rooms and vessels Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight. Provide for retaining containers, ego floor pan without outflow. Pay attention to material and volume of the container.

Advice on storage compatibility no necessary

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m'	mg/m ³	F/ml	Category	Origin
7664-39-3	Hydrogen fluoride (as F)	1.8	1.5		TWA (8 h)	WEL
		3	2.5		STEL (15 min)	WEL
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

Additional advice on control parameters Refer to chapter 7. Additional information about structure of technical plants: Material has to be resistant against hydrofluoric acid.

Exposure controls

Protective and hygiene measures Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of work.

Respiratory protection

Only necessary in case of an accident

Hand protection Tested protective gloves are to be worn: Suitable material: PE (polyethylene). PVC (Polyvinyl chloride).

Eye protection: Tightly sealed safety glasses. Eye-shade.

Skin protection chemical resistant suit. Chemical resistant safety shoes.

9. Physical and chemical properties

General information

Physical state: liquid

Colour: reddish

Odour: Slightly acidic

Important health, safety and environmental information

Test method

pH-Value: < 2

Changes in the physical state

Boiling point: 106 ·C

Flash point: not applicable

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

not applicable

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Oxidizing properties

none 1none

Density (at 20°C) : 1,10- 1,20 g/cm³

Water solubility : soluble (at 20°C)

10. Stability and reactivity

Conditions to avoid Temperature of decomposition: boiling point

Hazardous decomposition products
fluorhydric acid

11. Toxicological information

Acute toxicity

Irritant effect on the skin: Irritation effect on skin and mucous membrane
Irritant effect on the eye: Irritation effect

Sensitising effects no danger of sensitization.

Additional information on tests After ingestion: Irritation and etching in mouth and throat and risk of gullet and stomach perforation. Inhalation can lead to lung oedema. Up to 24 hours latency free of complaints. Poisoning is life-menacing.

12. Ecological information

Ecotoxicity Water Hazard Class: 1 (self classification) Must not enter sewage or feeder ditch undiluted or unneutralized. The toxic effect for fish and bacteria begins below pH 6.0 and rises with smaller pH factor.

13. Disposal considerations

Advice on disposal Dispose used acid solution by neutralisation with lime hydrate solution in a suitable container. Filter accrued neutral mud and dispose as hazardous waste.

Waste disposal number of waste from residues/unused products

190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

Waste disposal number of used product

190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

Waste disposal number of contaminated packaging

190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

UN number: UN1805
 ADRJRID class: 8
 Classification code: C1
 Warning plate
 Hazard-no. : 80
 Hazard label: 8
 ADR/RID packing group: III
 Limited quantity : LQ7

Description of the goods:

Phosphoric acid solution

Other applicable information (land transport) Special provisions: 274 E2 :2 E, E1 :3

Inland waterways transport

UN number: UN1805
 ADRJRID class: 8
 Classification code: C1
 Hazard label: 8
 ADR/RID packing group: III
 Limited quantity : LQ7

Description of the goods:

Phosphoric acid solution

Other applicable information (inland waterways transport) Special provisions: 274 802

Marine transport

UN number: UN1805
 IMDG code 8
 Hazard label: 8
 IMDG Packing Group III
 Ems: F-A, S-B
 Limited quantity : 5 L

Description of the goods:

Phosphoric acid solution

Other applicable information (marine transport) Special provisions: 274 944

Special provisions 223

Air transport

UN/ID number: UN 1805
 ICAO/IATA-DGR: 8
 Hazard label: 8
 ICAO packing group: III
 Limited quantity Passenger: 1L
 IATA-packing instructions -Passenger: 819
 IATA-max. quantity -Passenger: 5L
 IATA-packing instructions -Cargo: 821
 IATA-max. quantity -Cargo: 60 L

Description of the goods

Phosphoric acid solution

Other applicable information (air transport) E2 : Y808 30 L E1, Y819 60L

15. Regulatory information

Labelling Danger symbols:, Xn Harmful Xi Irritant



Hazardous component(s) to be indicated on label : Hydraflauric acid....%

R phrases

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
36/38 Irritating to eyes and skin

S phrases

02 Keep out of reach of children
23 Do not breathe gas / fumes / vapour / spray .
27 Take off immediately all contaminated clothing.
28 After contact wash immediately with plenty of water and soap
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
07/09 Keep container tightly closed and in a well-ventilated place.
36/37 Wear suitable protective clothing and gloves

National regulatory information

Water contaminating class (D) : 1 -slightly water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.
34 Causes burns
35 Causes severe burns
36/38 Irritating to eyes and skin

Further Information

We guarantee the compliance of the specified characteristics. These specifications do not represent the assurance of characteristics for certain types of applications. We formally express that the recipient is obliged to inspect the goods before application.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)