

REVISION DATE: 18.10.2010



SAFETY DATA SHEET

Polyaluminium Hydroxide Chloride Silicate Solutions

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

PRODUCT NAME	Polyaluminium Hydroxide Chloride Silicate Solutions
SYNONYMS, TRADE NAMES	Pax XL 60, Pax XL 18, Pax XL 610, Aquarone 18D
SUPPLIER	Univar Aquarius House 6 Midpoint Business Park Thornbury Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univareurope.com
Emergency Contact Number (Office Hours)	+44 1274 267346
Emergency Contact Number (Outside Office Hours)	+441865 407333
SDS No.	10975

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45) Xi;R36/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
Polyaluminiumhydroxide Chloride Silicate	215-477-2	1327-41-9	25-50%	Xi;R36/38.

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

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not give victim anything to drink if he is unconscious. Do not induce vomiting. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Wash contaminated clothing before reuse. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

5 FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

When heated and in case of fire, toxic vapours/gases may be formed. Hydrogen chloride (HCl).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Neutralise with alkaline material (Lime, crushed limestone, sodium bicarbonate or soda ash). Flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Provide good ventilation. Avoid contact with skin and eyes.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Suitable containers: polyethylene, glass lined.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

PVC or rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber footwear. Wear rubber apron.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellow		
ODOUR	Almost odourless		
SOLUBILITY	Miscible with water		
BOILING POINT (°C)	100 - 200	RELATIVE DENSITY	1.30 - 1.33

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BULK DENSITY	1280 - 1320 kg/m ³	pH-VALUE, CONC. SOLUTION	2 conc.
DECOMPOSITION	200	PARTITION COEFFICIENT	<3
TEMPERATURE (°C)		(N-Octanol/Water)	

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Chemically active metals. Inorganic cyanides. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated, vapours/gases hazardous to health may be formed. Hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >2000 mg/kg (oral rat)

INHALATION

Vapour may irritate respiratory system or lungs.

INGESTION

May cause internal injury. Causes burns.

SKIN CONTACT

Causes burns.

EYE CONTACT

May cause chemical eye burns.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

EC 50, 48 Hrs, DAPHNIA, mg/l 290

IC 50, 72 Hrs, ALGAE, mg/l 1.5 - 2

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not puncture or incinerate even when empty. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



UK ROAD CLASS

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PROPER SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(CONTAINS POLYALUMINIUMHYDROXIDE CHLORIDE SILICATE)		
UN NO. ROAD	3264	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2X	CEPIC TEC(R) NO.	80GC1-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	3264	IMDG CLASS	8
IMDG PACK GR.	III	EMS	F-A, S-B
UN NO. AIR	3264	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S24/25 Avoid contact with skin and eyes.

S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108).

16 OTHER INFORMATION**REVISION COMMENTS**

NOTE: Lines within the margin indicate significant changes from the previous revision.

ISSUED BY

Univar Ltd

REVISION DATE 18.10.2010**REV. NO./REPL. SDS** 02**GENERATED****SDS NO.** 10975**SAFETY DATA SHEET STATUS**

Approved.

DATE 20.09.2010**SIGNATURE** Jitendra Panchal

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RISK PHRASES IN FULL

R36/38 Irritating to eyes and skin.