



**SAFETY DATA SHEET
WATER BASED ADHESIVE**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Water Based Adhesive

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Adhesive

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Supplier SealEco Ltd
Goldie Road
Bothwell Park Industrial Estate
Uddingston
Glasgow G71 6PB
+44 (0)1698 802250
+44 (0)1698 802251
info.uk@sealeco.com

1.4. Emergency telephone number

Emergency telephone In case of emergency telephone +44 (0)1698 802250. Office hours: Mon-Fri 8.30am – 5pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Elicitation – EUH208

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains . May produce an allergic reaction

Contains METHYL-2H or METHYL-4 (3.1) Mixture of EC NO 220-239-6

2.3. Other hazards

No further information on hazards available.

< 1%

WATER BASED ADHESIVE**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

POTASSIUM HYDROXIDE (Caustic potash)	
CAS number: 1310-58-3	EC number: 215-181-3
Classification Met. Corr. 1 – H290 Acute Tox. 4 – H302 Skin Corr. 1A – H314	Classification (67/548/EEC or 1999/45/EC) C;R35 Xn:R22

The Full Text for all R-Phrases and Hazard Statements are displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information	The product is considered to be a low hazard under normal conditions of use.
Inhalation	No specific symptoms shown
Ingestion	No specific symptoms shown
Skin contact	May cause irritation
Eye contact	May cause eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	None known

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known
Hazardous combustion products	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed

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5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Use air-supplied respirator, gloves and protective goggles

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid contact with skin and eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Protect from freezing and direct sunlight. Store in closed original container at temperatures between 5°C and 30°C.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

POTASSIUM HYDROXIDE (caustic potash)

Long-term exposure unit (8-hour TWA): WEL

Short-term exposure limit (15 minute): WEL 2mg/m³

WEL= Workplace Exposure Limit

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Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls**Protective equipment****Appropriate engineering controls**

Provide adequate general and local exhaust ventilation

Eye/face protection

Wear eye protection

Hand protection

Wear protective gloves

Other skin and body protection

Wear appropriate clothing to prevent skin contamination

Hygiene measures

Do not eat, drink or smoke when using this product

Respiratory protection

No specific recommendations

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Appearance	Coloured paste
Colour	Beige
Odour	No characteristic odour
Odour threshold	Not determined
pH	pH (concentrated solution): approx. 7.5
Melting point	Not determined
Initial boiling point and range	100°C @
Flash Point	Not applicable
Evaporation rate	Not determined
Evaporation factor	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or Explosive limits	Not determined
Other flammability	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	~ 1.2 @20°C
Bulk density	Not determined
Solubility(ies)	Forms an emulsion with water
Partition coefficient	Not determined
Auto-ignition temperature	Not determined

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Decomposition Temperature	Not determined
Viscosity	approx. 60000 cP @ 20°C
Explosive properties	Not determined

9.2. Other information

Other information	No further relevant information available
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	No hazardous reactions if stored and handled as prescribed
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10.2. Chemical stability

Stability	No particular stability concerns
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight
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10.5. Incompatible materials

Materials to avoid	No incompatible groups noted
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended
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SECTION 11: Toxicological Information**11.1. Information on toxicological effects**

Toxicological effects	Toxicological studies are not available for this product
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Acute toxicity – oral

ATE oral (mg/kg)	99,740.67
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Acute toxicity – dermal

ATE dermal (mg/kg)	299,222.02
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Acute toxicity – Inhalation

ATE Inhalation (gases ppm)	698,184.72
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ATE inhalation (vapours mg/l)	2,992.22
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ATE inhalation (dusts/mists mg/l)	498.7
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Serious eye damage/irritation

Serious eye damage/irritation	No specific test data are available
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Respiratory sensitisation

Respiratory sensitisation	No specific test data are available
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Skin sensitisation

Skin sensitisation	No specific test data are available
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<u>Germ cell mutagenicity</u> Genotoxicity – in vitro	No specific test data are available
<u>Carcinogenicity</u> Carcinogenicity	No specific test data are available
<u>Reproductive toxicity</u> Reproductive toxicity – fertility	No specific test data are available
<u>Specific target organ toxicity – single exposure</u> STOT – single exposure	No specific test data are available
<u>Single target organ toxicity – repeated exposure</u> STOT – repeated exposure	No specific test data are available
<u>Aspiration hazard</u> Aspiration hazard	Based on available data, the classification criteria are not met
General information	No specific health hazards known
Inhalation	May cause respiratory system irritation
Ingestion	May cause discomfort if swallowed
Skin contact	Prolonged and frequent contact may cause redness and irritation
Eye contact	May cause temporary eye irritation
Acute and chronic health hazards	No specific health hazards known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicological studies are not available for the product
<u>12.1. Toxicity</u>	
Toxicity	Not considered toxic to fish
<u>12.2. Persistence and degradability</u>	
Persistence and degradability	The product is expected to be biodegradable.
<u>12.3. Bioaccumulative potential</u>	
Bioaccumulative potential	The product is not bioaccumulating
Partition coefficient	Not determined
<u>12.4. Mobility in soil</u>	
Mobility	The product is partly miscible with water and may spread in the aquatic environment
<u>12.5. Results of PBT and vPvB assessment</u>	
Results of PBT and vPvB assessment	No data available
<u>12.6 Other adverse effects</u>	

WATER BASED ADHESIVE**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

General information	Waste should be treated as controlled waste
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
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14.1. UN number

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name**14.3. Transport hazard classe(es)**

ADR/RID class

ADR/RID subsidiary risk

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

14.4. Packing group

ADR/RID Packing group

ICAO packing group

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EmS

Emergency Action Code

Hazard Identification Number

(ADR/RID)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

WATER BASED ADHESIVE**SECTION 15: Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH) and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2. Chemical Safety Assessment**SECTION 16: Other information**

Revision Date	19/6/2015
Revision	5
SDS number	10762
SDS status	Approved
Risk phrases in full	NC Not classified
Hazard statements in full	H290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin burns and eye damage EUH208 Contains . May produce an allergic reaction

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.