

# High Expansion Intumescent Sealant

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## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product form	Mixture
Trade name	High Expansion Intumescent Sealant
UFI	ESQE-DCEA-Y00H-7W2D
Type of product	Adhesives, Sealants

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

Main use category	Professional use
Industrial / Professional use spec	For professional use only
Use of substance	Adhesives, sealants

#### 1.2.2 Uses advised against

No additional information available

### 1.3 Details of supplier

ROCKWOOL® Pencoed, Bridgend, CF35 6NY  
Tel: 01656 862621 Fax: 01656 862302 Email: sds@rockwool.com

Importer:  
ROCKWOOL A/S Hovedgaden 501, DK-2640 Hedehusene, Denmark  
Tel: +45 4656 1616 Email: info@rockwool.dk

### 1.4 Emergency telephone number

ROCKWOOL Ltd (Within GB/Ireland only)  
Language: English  
Customer Support: 9am-5pm  
Tel: 01656 862621 Email: sds@rockwool.com

ROCKWOOL A/S (Within EU only)  
Language: English/Danish  
Customer Support: Office hours only  
Tel: +45 4656 1616 Email: info@rockwool.dk

## 2. Hazards identification

2.1 Classification of the substance or mixture	<p>Classification according to Regulation (EC): No. 1272/2008 [CLP]          Serious eye damage/eye irritation: Category 2 H319          Reproductive toxicity: Category 2 H361          Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412          Full text of H statements : see section 16</p> <p><b>Adverse physicochemical, human health and environmental effects</b>          Causes serious eye irritation. Harmful to aquatic life with long lasting effects.          Suspected of damaging fertility or the unborn child.</p>
2.2 Label elements	<p>Labelling according to Regulation (EC) No. 1272/2008 [CLP]          Hazard pictograms (CLP) : GHS07 GHS08          Signal word (CLP) : Warning          Hazardous ingredients : Melamine</p> <p>Hazard statements (CLP) : H319 - Causes serious eye irritation.          H361 - Suspected of damaging fertility or the unborn child.          H412 - Harmful to aquatic life with long lasting effects.          Precautionary statements (CLP) : P201 - Obtain special instructions before use.          P280 - Wear protective clothing, eye protection, face protection.          P308+P313 - If exposed or concerned: Get medical advice/attention.          P337+P313 - If eye irritation persists: Get medical advice/attention.          EUH-statements : EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).          May produce an allergic reaction.</p>
2.3 Other hazards	No additional information available



## 3. Composition / information on ingredients

### 3.2 Substances/Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Graphite	(CAS-No.) 7782-42-5 (EC-No.) 231-955-3	10 – 30	Not classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 – 30	Not classified
Melamine	(CAS-No.) 108-78-1 (EC-No.) 203-615-4	1 – 10	Repr. 2, H361
Cellulose substance with a Community workplace exposure limit		1 – 10	Not classified
Alkylphenol polypropylene glycol ether	(CAS-No.) 9064-15-7 (EC-No.) 696-008-2	1 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

## 4. First-aid measures

### 4.1 Description of first aid measures

General	If exposed or concerned, seek medical advice/attention
Skin contact	Wash skin with plenty of water
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Wash out mouth with water. Call a poison center or doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed  
Eye contact: There may be irritation and redness.

4.3 Indication of any immediate medical attention and special treatment needed  
Treat symptomatically

## 5. Firefighting measures

5.1 Extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide
5.2 Special hazards arising from the substance or mixture	Exposure hazards: In combustion toxic fumes may be released
5.3 Advice for fire fighters	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
6.1.1 For non-emergency personnel	Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.
6.1.2 For emergency responders	Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection."
6.2 Environmental precautions	Avoid release to the environment.
6.3 Methods and materials for containment and cleaning up	Clean-up procedures: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Other information: Dispose of materials or solid residues at an authorized site.
6.4 Reference to other sections	For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

## 7. Handling and storage


7.1 Precautions for safe handling	<p>Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.</p> <p>Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</p>
7.2 Conditions for safe storage, including any incompatibilities	<p>Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Secured storage.</p> <p>Suitable packaging: Must only be kept in original packaging.</p>
7.3 Specific end use(s)	No additional data available.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

Cellulose	IOELV TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Aluminium Hydroxide (21645-51-2)	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
	WEL STEL (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Graphite (7782-42-5)	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust
	Respirable	4 mg/m <sup>3</sup>

### 8.2 Exposure controls

Engineering measures	Ensure there is sufficient ventilation of the area.
Personal Protective Equipment	Dust formation: Dust mask. Gloves.
Hand protection	Protective gloves.
Eye protection	Safety glasses. Ensure eye bath is to hand.
Skin protection	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Personal protective equipment symbol(s)	
Environmental exposure controls	Avoid release to the environment.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

State	Paste
Colour	Grey
Relative density	1.3-1.4
pH	5-9
Odour	No data available
Odour threshold	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available
Other information	No additional data available

## 10. Stability and reactivity

10.1	Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4	Conditions to avoid	None under recommended storage and handling conditions (see section 7).
10.5	Incompatible materials	Avoid strong oxidising agents. Strong acids.
10.6	Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Aluminium Hydroxide (21645-51-2)	LD50 oral rat LC50 Inhalation - Rat	> 2000 mg/kg bodyweight > 2.3 mg/l
Graphite (7782-42-5)	LD50 oral rat LD50, mouse, long term, Inhalation, mouse, systemic	> 2000 mg/kg 10 mg/kg (Hours Hours)
Melamine (108-78-1)	LC50 Inhalation - Rat	> 5.19 mg/l air

Skin corrosion/irritation	Not classified - pH: 5 – 9
Serious eye damage/irritation	Causes serious eye irritation - pH: 5 – 9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child.

Aluminium Hydroxide (21645-51-2)	NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight
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STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

## 12. Ecological information

12.1	Toxicity	Ecology - general: Harmful to aquatic life with long lasting effects. Hazardous to the aquatic environment, short-term (acute): Not classified Hazardous to the aquatic environment, long-term (chronic): Harmful to aquatic life with long lasting effects. Not rapidly degradable
	Graphite (7782-42-5)	LC50 fish 1 > 100 mg/l EC50 Daphnia 1 > 100 mg/l EC50 72h algae (1) > 100 mg/l EC50 72h algae (2) > 100 mg/l NOEC (chronic) 47 mg/l
	Melamine (108-78-1)	LC50 fish 1 > 3000 mg/l EC50 Daphnia 1 200 mg/l EC50 96h algae (1) 325 mg/l LOEC (chronic) > 11 mg/l NOEC (chronic) ≥ 11 mg/l NOEC chronic fish ≥ 5.1 mg/l
12.2	Persistence and degradability	No additional information available
12.3	Bio-accumulative potential	No additional information available
12.4	Mobility in soil	Expected to be highly mobile in soil.
12.5	Results of PBT and vPvB assessment	No additional information available
12.6	Other adverse effects	No additional information available

## 13. Disposal considerations

13.1	Waste treatment methods	
	Regional legislation (waste)	Disposal must be done according to official regulations.
	Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.

## 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

No supplementary information available

### 14.6 Special precautions for user

Overland transport	Not applicable
Transport by sea	Not applicable
Air transport	Not applicable
Inland waterway transport	Not applicable
Rail transport	Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations	<p>Contains no REACH substances with Annex XVII restrictions</p> <p>Contains no substance on the REACH candidate list</p> <p>Contains no REACH Annex XIV substances</p> <p>Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.</p> <p>Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants</p>
15.1.2 National regulations	No additional information available
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.



## 16. Other information

### Indication of changes

1.1	Type of product	Modified
1.1	UFI	Added
8.1	Exposure controls	Added
12.4	Mobility in soil	Modified

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

## Full text of H- and EUH-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
H302	Harmful if swallowed
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains. May produce an allergic reaction.

The classification complies with: ATP 12

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