

EFFISUS STOPPER M-1 SEALANT

1. PRODUCT AND COMPANY INFORMATION

Product Trade Name

Effisus Stopper M-1 Sealant

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

Structural sealant used in building facades and glazing

Company / Distributor

Up-Way Systems, Lda.
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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Physical Hazards: not classified

Health Hazards: Skin sensitization 1

H317 (May cause an allergic skin reaction)

Serious eye damage/eye irritation 2

H319 (Causes serious eye irritation)

Environment Hazards: not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard pictograms:



Signal word: Warning

Precautionary statements:

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P501 Dispose of contents/ container to in accordance with local/ regional/ national/ international regulations

2.3. Other hazards: None.

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2. Mixtures

CAS #	EINECS # / EC #	Chemical name	Percentage % (wt/wt)	Classifications
				EC 1272/2008
14807-96-6	238-877-9	Talc (hydrous magnesium silicate)	<5%	Not classified
13463-67-7	236-675-5	Titanium dioxide	<4%	Not classified
1760-24-3	217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine	<3%	Skin Sens. 1B: H317
				Eye Dam. 1: H318
				Acute Tox. 4(Inhalation): H332
				STOT RE 2: H373
818-08-6	212-449-1	Dibutyltin oxide	<3%	Acute Tox. 3(Oral): H301
				Skin Irrit. 2: H315
				Eye Dam. 1: H318
				Skin Sens. 1: H317
				Muta. 2: H341
				Repr. 1B: H360
				STOT SE 1: H370
				Aquatic Chronic 1: H410
100545-48-0	309-629-8	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	<.3%	Skin Sens. 1B: H317
				Aquatic Chronic 3: H412

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Skin: Remove contaminated clothing. If on skin, wash off immediately with soap and plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

Eyes: 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: Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed: Not information available

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

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5. FIRE FIGHTING MEASURES

- 5.1. Extinguishing media**
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media: No information available
- 5.2. Specific hazards arising from the substance or mixture:** No information available
- 5.3. Advice for fire fighters:** Use water spray or fog for cooling exposed containers. Fire-fighters must wear approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.
See SDS Section 8 (Exposure Controls/ Personal Protection)

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Evacuate unnecessary personnel. Avoid breathing vapor, mist, or spray. Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment (PPE) as detailed in Section 8.
- 6.2. Environmental precautions:** Do not discharge into drains, sewer system, ground water, soil and plants.
- 6.3. Methods and materials for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose in accordance with regulations.
- 6.4. Reference to other sections:** Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling:** Use with adequate ventilation. Avoid exposure to flame, sparks and heat. Wear protective clothing to avoid contact with skin and eyes. Do not smoke, eat or drink handling of this product. Wash hands after handling. Apply good hygiene practices.
- 7.2. Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place.
- 7.3. Specific end use(s):** The identified uses for this product are detailed in section 1.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters: Ingredient Comments: WEL-Workplace Exposure Limits

Component(s)	Type	Value	Standard
Talc (hydrous magnesium silicate) (CAS# 14807-96-6)	TWA	1mg/m3 (respirable dust)	EH40-WEL
Titanium dioxide (CAS#13463-67-7)	TWA	10mg/m3 (total inhalable)	
		4mg/m3 (respirable)	
Tin compounds, organic, except	TWA	0.1mg/m3	
Cyhexatin (ISO), (as Sn)	STEL	0.2mg/m3	
Magnesite (CAS#546-93-0)	TWA	10mg/m3 (inhalable dust)	
		4mg/m3 (respirable dust)	
Methanol (CAS#67-56-1)	TWA	266mg/m3	
	STEL	333mg/m3	
Carbon Black Pigment (CAS#1333-86-4)	TWA	3.5mg/m3	
	STEL	7mg/m3	

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8.2. Exposure controls

Engineering measures: Ensure adequate ventilation

Respiratory equipment: Use a approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Hand protection: Wear chemical-resistant gloves.

Eye protection: Prevent contact with eyes. Wear safety glasses or goggles, if required.

Other protection: No information available.

Hygiene measures: Wear suitable gloves and eye/face protection. Keep away from food and drink. When using does not eat, drink or smoke. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: No information available

Color: Grey

Physical state: No information available

Odor: No information available

Odor Threshold: No information available

pH: No information available

Melting/freezing point: No information available

Initial boiling point/Boiling range: No information available

Flash point: No information available

Evaporation rate: No information available

Flammability (solid, gas): No information available

Upper/lower flammability or explosive limit: No information available

Vapour pressure: No information available

Vapour density: No information available

Relative density: No information available

Density: No information available

Solubility(ies): No information available

Partition coefficient – n-octanol/water: No information available

Auto-ignition temperature: No information available

Decomposition temperature: No information available

Viscosity: No information available

Explosive properties: No information available

Oxidising properties: No information available

9.2. Other information:

No information available

10. STABILITY AND REACTIVITY

10.1. Reactivity: No specific reactivity hazards associated with this product.

10.2. Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4. Conditions to avoid: None under recommended storage and handling condition.

10.5. Incompatible materials: No information available.

10.6. Hazardous decomposition products: No dangerous decomposition products known.

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- Ingestion: No information available
- Inhalation: No information available
- Skin contact: May cause an allergic skin reaction
- Eye contact: Causes serious eye irritation

Symptoms related to the physical, chemical and toxicological characteristics: No information available
Delayed and immediate effects and also chronic effects from short- and long-term exposure: No information available

Numerical measures of toxicity

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Precipitated Calcium Carbonate (CAS# 471-34-1)	> 2000 mg/kg (rat)	> 2000 mg/kg (rat)	> 3 mg/L, 4h
Vinyltrimethoxysilane (CAS# 2768-02-7)	7.34 mL/kg (rat)	3,460 - 4,000 mg/kg (rabbit)	2773 ppm, 4h, vapour
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine (CAS#100545-48-0)	2000 mg/kg (Rat)	No information available	5.05 mg/L(Rat), 4h
Methanol (CAS#67-56-1)	100 mg/kg (Rat)	300 mg/kg (Rat)	3 mg/L (Rat), 4h

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Causes serious eye irritation.
Respiratory or skin sensitization
Respiratory sensitization: Based on available data, the classification criteria are not met.
Skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Specific target organ toxicity- single exposure: Based on available data, the classification criteria are not met.
Specific target organ toxicity- repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Numerical measures of toxicity

Chemical Name	Test	Species	Test Results
Precipitated Calcium Carbonate (CAS# 471-34-1)	Fish LC ₅₀	Rainbow trout (<i>Oncorhynchus mykiss</i>)	> 100 mg/L
	Crustacean EC ₅₀	Water flea (<i>Daphnia magna</i>)	>100 mg/L
	Algae EC ₅₀	Green algae (<i>Desmodesmus subspicatus</i>)	> 14 mg/L, 72h
	Algae NOEC	Green algae (<i>Desmodesmus subspicatus</i>)	14 mg/L
Dibutyltin oxide (CAS# 818-08-6)	Fish LC ₅₀	Generic fish	1 mg/L, 48h
	Crustacean EC ₅₀	Water flea (<i>Daphnia magna</i>)	2 mg/L, 48h
	Algae EC ₅₀	Green algae (<i>Desmodesmus subspicatus</i>)	≥ 1.6 mg/L, 72h

- Persistence and degradability: There are no data on the degradability of this product.
Bioaccumulative potential: No data available on bioaccumulation.
Mobility in soil: No data available.
Other adverse effects: Not available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods: Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

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14. TRANSPORT INFORMATION

	ADR/RID	IMDG	ICAO/IATA
14.1. UN number	Non - Regulated	Non - Regulated	Non - Regulated
14.2. Proper shipping name	Non - Regulated	Non - Regulated	Non - Regulated
14.3. Transport hazard class(es)	Non - Regulated	Non - Regulated	Non - Regulated
14.4. Packing group	Non - Regulated	Non - Regulated	Non - Regulated
14.5. Environmental hazards	No	No	No

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA:
Listed substance(s)
Ethylenediamine (CAS# 107-5-3)

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended:
Listed substance(s)
None of the components in this product is listed.

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended:
Listed substance(s)
Methanol (CAS#67-56-1)

Directive 2012/18/EU on major accident hazards involving dangerous substances
Listed substance(s)
Methanol (CAS#67-56-1)
National regulation (Germany)
Water hazard class (WGK)
Water hazard class 2: Obviously hazardous to water.

With respect to REACH, all ingredients of this mixture are below the 1-ton exemption limit, are exempt based on a reimport exemption, are exempt because of a mineral exemption, or are REACH registered.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out.

16. OTHER INFORMATION

This information relates only to 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 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.