

SAFETY DATA SHEET

M-1®

According to Regulation (EC) No 1907/2006

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

1.1. Product Identifier

Product names M-1

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

Relevant identified uses Non-structural sealant used in building facades and glazing

1.3. Details of the supplier of the safety data sheet

Supplier Chem Link Inc.
 353 E. Lyons Street
 Schoolcraft, MI 49087
 Telephone: (269) 679-4440
 Toll Free: (800) 826-1681
 Fax: (269) 679-4448

1.4. Emergency Telephone Number

CHEMTREC: USA - 1-800-424-9300
 International - (703) 527-3887

SECTION 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
 Serious eye damage/eye irritation 2 H319
Environment Hazards Not classified.

2.2. Label elements

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

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

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. Continue rinsing.
 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 known.

SECTION 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	<0.3%	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

Full text of H-statements: see section 16

SECTION 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 CENTER or doctor/physician.

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

No information available.

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

Treat symptomatically.

SECTION 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. Special 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).

SECTION 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 material 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.

SECTION 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 during handling of this product. Wash hands after handling. Apply good hygienic 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 1.2.

SECTION 8: Exposure controls / personal protection**8.1. Control parameters**

8.1.1 Ingredient Comments: WEL-Workplace Exposure Limits

Component(s)	Type	Value	Standard
Talc (hydrous magnesium silicate) (CAS# 14807-96-6)	TWA	1 mg/m ³ (respirable dust)	
Titanium dioxide (CAS#13463-67-7)	TWA	10 mg/m ³ (total inhalable)	
Tin compounds, organic, except Cyhexatin (ISO), (as Sn)	TWA STEL	0.1 mg/m ³ 0.2 mg/m ³	EH40-WEL
Magnesite (CAS#546-93-0)	TWA	10 mg/m ³ (inhalable)	

		dust)
		4 mg/m ³ (respirable dust)
Methanol (CAS#67-56-1)	TWA	266 mg/m ³
	STEL	333 mg/m ³
Carbon Black Pigment (CAS#1333-86-4)	TWA	3.5 mg/m ³
	STEL	7 mg/m ³

8.2. Exposure controls**Engineering measures
Respiratory equipment**

Ensure adequate ventilation.

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.

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

Appearance:	Gray.
Colour:	No information available.
Physical state:	No information available.
Odour:	No information available.
Odour 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 limits:	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.

SECTION 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.

SECTION 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.

SECTION 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.

SECTION 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.

SECTION 14: Transport information**14.1. UN number**

ADR/RID: Non-Regulated Material IMDG: Non-Regulated Material ICAO/IATA: Non-Regulated Material

14.2. Proper shipping name

ADR/RID: Non-Regulated Material IMDG: Non-Regulated Material ICAO/IATA: Non-Regulated Material

14.3. Transport hazard class(es)

ADR/RID: Non-Regulated Material IMDG: Non-Regulated Material ICAO/IATA: Non-Regulated Material

14.4. Packing group

ADR/RID: Non-Regulated Material IMDG: Non-Regulated Material ICAO/IATA: Non-Regulated Material

14.5. Environmental hazards

ADR/RID: No IMDG Marine pollutant: No ICAO/IATA: No

14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 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
 Ethylenediamine (CAS# 107-15-3)

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
 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.

SECTION 16: Other information

Revision Date	September 3, 2019
Revision	-
Abbreviations and acronyms	
NA	Not available.
Acute Tox. 3 (Oral)	Acute Toxicity - Oral - Category 3
Acute Tox. 4 (Inhalation)	Acute Toxicity - Inhalation - Category 4
Skin Irrit. 2	Skin corrosion/irritation- Category 2
Eye Dam. 1	Serious eye damage/eye irritation - Category 1
Skin Sens. 1	Skin Sensitisation - Category 1
Repr. 1B	Reproductive toxicity - Category 1B
Muta. 2	Germ cell mutagenicity - Category 2
STOT SE 1	Specific target organ toxicity, Single exposure - Category 1
STOT RE 2	Specific target organ toxicity, Repeated exposure - Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment, long-term hazard- Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, long-term hazard- Category 3
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG	International Maritime Code for Dangerous Goods.
ICAO	International Civil Aviation Organisation.
IATA	International Air Transport Association.
GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
CAS	Chemical Abstracts Service (division of the American Chemical Society).
EINECS	European Inventory of Existing Commercial Substances.
TWA	Time-Weighted Average.
STEL	Short-term Exposure Limit.
PBT	Persistent, Bio accumulative and Toxic.
vPvB	Very Persistent and very Bio accumulative.
LD ₅₀	Lethal Dose, 50%.
LC ₅₀	Lethal Concentration, 50%.
NOEC	No observed effect concentration.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H301	Toxic if swallowed.
H315	Causes skin irritation.
H332	Harmful if inhaled

H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H373	May cause damage to organs
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

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.
