

## SAFETY DATA SHEET

M-1®

According to Regulation EU 2015/830

### 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 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 <sup>3</sup> (respirable dust)	
Titanium dioxide (CAS#13463-67-7)	TWA	10 mg/m <sup>3</sup> (total inhalable)	
Tin compounds, organic, except Cyhexatin (ISO), (as Sn)	TWA STEL	0.1 mg/m <sup>3</sup> 0.2 mg/m <sup>3</sup>	EH40-WEL
Magnesite (CAS#546-93-0)	TWA	10 mg/m <sup>3</sup> (inhalable)	

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

**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:**

<b>Appearance:</b>	Gray.
<b>Colour:</b>	No information available.
<b>Physical state:</b>	No information available.
<b>Odour:</b>	No information available.
<b>Odour threshold:</b>	No information available.
<b>pH:</b>	No information available.
<b>Melting/freezing point</b>	No information available.
<b>Initial boiling point &amp; boiling range:</b>	No information available.
<b>Flash point:</b>	No information available.
<b>Evaporation rate:</b>	No information available.
<b>Flammability (solid, gas):</b>	No information available.
<b>Upper/lower flammability or explosive limits:</b>	No information available.
<b>Vapour pressure:</b>	No information available.
<b>Vapour density:</b>	No information available.
<b>Relative density:</b>	No information available.
<b>Density:</b>	No information available.
<b>Solubility(ies):</b>	No information available.
<b>Partition coefficient: n-octanol/water</b>	No information available.
<b>Auto-ignition temperature:</b>	No information available.
<b>Decomposition temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Explosive properties:</b>	No information available.
<b>Oxidising properties:</b>	No information available.

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	No specific reactivity hazards associated with this product.
<b>10.2. Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3. Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>10.4. Conditions to avoid</b>	None under recommended storage and handling condition.
<b>10.5. Incompatible materials</b>	No information available.
<b>10.6. Hazardous decomposition products</b>	No dangerous decomposition products known.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	No information available.
<b>Inhalation</b>	No information available.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	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 <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
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 <sub>50</sub>	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	> 100 mg/L
	Crustacean EC <sub>50</sub>	Water flea ( <i>Daphnia magna</i> )	>100 mg/L
	Algae EC <sub>50</sub>	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 <sub>50</sub>	Generic fish	1 mg/L, 48h
	Crustacean EC <sub>50</sub>	Water flea ( <i>Daphnia magna</i> )	2 mg/L, 48h
	Algae EC <sub>50</sub>	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**

<b>Revision Date</b>	June 16, 2020
<b>Revision</b>	2
<b>Abbreviations and acronyms</b>	
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 <sub>50</sub>	Lethal Dose, 50%.
LC <sub>50</sub>	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

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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**

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