

# C2M - Cement to Metal (emulsion)

## Safety Data Sheet

9/9/19 Version 1.3



### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **C2M - Cement to Metal (emulsion)**  
Supplier: MAXON Technologies  
5400 W. Rosecrans Ave  
Hawthorne, CA 90250  
Company Phone: 1-424-236-4660  
Emergency Phone: Chemtrec (24 hours) (800) 424-9300 or (703) 527-3887  
Revised On: 9/9/19  
Recommended Use: Binding agent for C2M Powder. When combined forms a rust inhibiting cementitious coating.

### SECTION 2: HAZARDS IDENTIFICATION

Pictogram:



GHS08 GHS05 GHS07 GHS09

Signal Word: Danger

Other Hazards Not Contributing to the Classification: None.

#### Hazard Statements

H226 Flammable liquid and vapor. H227 Combustible liquid.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage. H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging fertility or the unborn child.  
H400 Very toxic to aquatic life.

#### Precautionary Statements

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P321 Specific treatment (see... on this label).  
P322 Specific measures (see ...on this label).  
P330 Rinse mouth.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage. Hazardous to the aquatic environment  
P405 Store locked up.  
P501 Dispose of contents/container according to regulations.  
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+P352 IF ON SKIN: wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.  
P305+ P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P332+P313 SKIN irritation occurs: Get medical advice/attention.  
P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.  
P337+P313 IF eye irritation persists: Get medical advice/attention.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Weight %	GHS Classification
1-methyl-2-pyrrolidone	872-50-4	<5.00%	Flam Liq 4, Skin Irrit 2, Eye Irrit 2, Repr 2, STOT SE 3
2-methylisothiazol-3(2H)-one	2682-20-4	<0.25%	Not Classified.
2-dimethylaminoethanol	108-01-0	<1.50%	Flam Liq 4, Acute Tox 4 (Oral), Acute Tox 4 (Dermal), Acute Tox 4 (Inhalation), Skin Corr 1B
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	2634-33-5	<0.25%	Acute Tox 4 (Oral), Skin Irrit 2, Eye Dam 1, Skin Sens 1, Aquatic Acute 1

### SECTION 4: FIRST AID MEASURES

**General:** Never give anything by mouth to an unconscious person. If exposed or concerned, seek medical advice/attention.

**Inhalation:** Allow victim to get fresh air. Allow victim to rest.

**Skin:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, seek medical advice/attention.

**Eye:** Rinse with water for several minutes. Remove contact lenses. Continue rinsing. If eye irritation persists, seek medical advice/attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Information for doctor: Most important symptoms and effects, both acute and delayed:**

-Suspected of damaging fertility or the unborn child

-Causes serious eye irritation

-Causes skin irritation

**Indication of any immediate medical attention and special treatment needed:** No additional information available.

### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:**

Foam. Dry Powder. Carbon Dioxide. Water Spray. Sand.

**Unsuitable extinguishing agents:**

Do not use a heavy water stream.

**Special hazards arising from the substance or mixture:**

No reliable data available.

**In case of fire, the following can be released:**

No data.

**Advice for firefighters, PPE:**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter area without proper protective equipment, including respirator.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

Evacuate unnecessary personnel. Ventilate area.

**Protective Equipment:**

Equip clean up personnel with proper personal protection.

**Environmental Precautions:**

Prevent from entering sewers or public waters. Notify authorities if liquid enters sewers or public waters.

**Methods for clean up:**

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage. Store away from other materials.

**Reference to other sections:**

7-safe handling; 8-personal protection equipment; 13-disposal information.

### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:**

-Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Provide good ventilation in process area to prevent accumulation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Additional hazards when processed:** Good ventilation of the workplace required.

**Handling temperature:** 5 - 45 degrees C

**Hygiene measures:** Wash hands/other exposed areas with mild soap before eating, drinking or smoking, & when leaving work.

**Conditions for safe storage, including incompatibilities:**

**Storage conditions:**

Keep container closed when not in use. Protect against frost and freezing.

**Incompatible products:**

Strong bases. Strong acids.

**Incompatible materials:**

Sources of ignition

**Maximum storage period:**

36 months, under recommended conditions

**Storage temperature:**

5 - 40 degrees C

**Specific End Uses:**

No additional information.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:**

No additional information.

**Exposure Controls:**

**Personal protective equipment:** Avoid all unnecessary exposure.

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**Hand protection:** Wear protective gloves

**Eye protection:** Wear chemical goggles or safety glasses

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** Wear appropriate mask

**Other information:** Do not eat, drink or smoke during use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific Physical Form:</b>	White Liquid	<b>Decomposition Temperature:</b>	Not determined.
<b>Odor:</b>	Little to no odor, Slightly amine-like	<b>Boiling Point:</b>	100°C
<b>Density:</b>	1.1 g/cm <sup>3</sup>	<b>Vapor Density:</b>	Not determined.
<b>Vapor Pressure:</b>	2.3 kPa	<b>Autoignition Temperature:</b>	Not determined.
<b>pH Range:</b>	7-8	<b>Melting/Freezing Point:</b>	0°C
<b>Solubility In Water:</b>	Soluble.	<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Alcohol:</b>	Not determined.	<b>Odor Threshold:</b>	Not determined.
<b>Log Pow/Log Kow:</b>	Not determined.	<b>Flammability (Solid, Gaseous):</b>	Not determined.
<b>Relative Density:</b>	Not determined.	<b>Viscosity Kinematic/Dynamic:</b>	Not determined/ 30- 200 mPa-s
<b>Explosion Limits:</b>	Not determined.	<b>Percent Solids Range:</b>	39% - 41%
<b>Flash Point:</b>	No data available.	<b>Other information:</b>	No further relevant information available.

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Not established.
<b>Conditions to avoid:</b>	Direct sunlight. Freeze/thaw conditions. Extreme temperatures.
<b>Incompatible materials:</b>	Strong Acids. Strong Bases.
<b>Hazardous decomposition products:</b>	Fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Effects:** Not classified.

Skin corrosion/irritation:	Causes skin irritation (pH 7 – 8).
Serious eye damage/irritation:	Causes serious eye irritation (pH 7 – 8).
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Suspected of damaging fertility or the unborn child.
Specific organ target toxicity (single exp):	Not classified.
Specific organ target toxicity (rep exp):	Not classified.
Aspiration hazard:	Not classified.
Potential adverse human health effects and symptoms:	Based on data, the classification criteria are not met.
Symptoms/injuries after skin contact:	Causes skin irritation.

**1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one (2634-33-5):** ATE US (oral): 500.00mg/kg body weight

<b>1-methyl-2-pyrrolidone (872-50-4)</b>	
LD50 oral rat	3914 mg/kg (Equivalent or similar to OECD 401; Literature study; 4150 mg/kg bodyweight; Experimental value)
LD50 dermal rat	7000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	8000 mg/kg (Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Experimental value)
LC50 inhalation rat	<5.1 mg/l/4h (Rat; Experimental value)
ATE US (oral)	3914.0000000000 mg/kg bodyweight
ATE US (dermal)	7000.0000000000 mg/kg bodyweight

### SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Not determined for the emulsion.

<b>1-methyl-2-pyrrolidone - CAS No. 872-50-4</b>	
LC50 fish 1	3048 mg/l (96h; Salmo gairdneri (Oncorhynchus mykiss); cool water)
EC50 Daphnia 1	4897 mg/l (48h; Daphnia magna)
LC50 fish 2	832 mg/l (96h; Lepomis macrochirus; warm water)

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EC50 Daphnia 2	4655 mg/l (Gammarus sp.)
Threshold limit algae 1	> 500 mg/l (Scenedesmus subspicatus)
Threshold limit algae 2	600.5 mg/l (72h; Desmodesmus subspicatus; Growth rate)

**Persistence and Degradability:** Not determined for the emulsion.

<b>1-methyl-2-pyrrolidone - CAS No. 872-50-4</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Photodegradation in air.
Biochemical Oxygen Demand (BOD)	1.07g O <sub>2</sub> /g substance
Chemical Oxygen Demand (COD)	1.56g O <sub>2</sub> /g substance
ThOD	1.9g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.56% ThOD

**Bioaccumulative potential:** Not determined. for the emulsion.  
**Mobility in soil:** 1-methyl-2-pyrrolidone - CAS No. 872-50-4: Surface Tension 0.407 N/m  
**Other adverse effects:** Effect on ozone layer: No additional information available  
Effect on global warming: No known ecological damage caused by this product  
Other information: Avoid release to the environment

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

**Waste materials:** Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

In accordance with DOT. N/A regulated for transportation. HS code: 3909.50

### SECTION 15: REGULATORY INFORMATION

-The components of this product are in compliance with the requirements of the Toxic Substances Control Act (TSCA). One of the components of this product is exempt from the TSCA Inventory listing requirements under the provisions of the TSCA Polymer Exemption (PE); 40 CFR § 732.250. According to PE rules, the importer of record is required to submit, during January of the year following the first import of an exempted polymer, a onetime notification to EPA of the number of polymer exemptions used for the first time in the previous calendar year.

-All components of this product are listed, or excluded from listing, on the US Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one (CAS No. 2634-33-5).

-This product or mixture does not contain a toxic chemical or chemicals in excess of the minimal applicable concentration as specified in 40 CFR § 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**1-methyl-2-pyrrolidone (872-50-4) listed on United States SARA Section 313.**

**CANADA:** One of the components of this product is listed on the Canadian DSL (Domestic Substances List).

**EU-Regulations:** One of the components of this product is listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). All components of this product are REACH compliant.

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]:** Not classified.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]:** Not classified.

**California Proposition 65** - This product contains, or may contain, trace quantities of a substance known to the State of California to cause cancer and/or reproductive toxicity.

<b>1-methyl-2-pyrrolidone - CAS No. 872-50-4</b>				
U.S.- California- Proposition 65- Carcinogens List	U.S.- California- Proposition 65- Developmental Toxicity	U.S.- California- Proposition 65- Reproductive Toxicity- Female	U.S.- California- Proposition 65- Reproductive Toxicity- Male	No significant risk level (NSRL)

### SECTION 16: OTHER INFORMATION

**DISCLAIMER:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. MAXON TECHNOLOGIES MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a MAXON TECHNOLOGIES product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the MAXON TECHNOLOGIES product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.