



# SAFETY DATA SHEET



## EvoSeal MS

### High Performance Sealant and Adhesive

#### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

##### 1.1 Product identifier

**Product Name:** EvoSeal MS

**Product Code(s):** ES-10B, ES-10DB, ES-10G, ES-10W, ES-10T

**Synonym(s):** Hybrid polymer elastomeric sealant/adhesive

**REACH Registration Number:** No data available

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

**General use:** General purpose, moisture cure sealant and adhesive

**Uses advised against:** None known

##### 1.3 Details of the supplier and of the safety data sheet

**Manufacturer/Distributor**

Everkem Diversified Products

5180 Indiana Avenue

Winston-Salem, NC 27106 USA

+1-800-638-3160

##### 1.4 Emergency telephone number: +1-800-638-3160

#### SECTION 2 - HAZARDS IDENTIFICATION

##### 2.1 Classification of substance or mixture

**Product definition:** Mixture

**Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation (EC) No 1272/2008**

Skin irritation - Category 2 [H315]

Skin sensitizer - Category 1 [H317]

Eye irritation - Category 2A [H319]

##### 2.2 Label Elements

**Hazard Symbol(s):**



GHS07

**Signal Word:**

Warning

**Hazard Statement(s):**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

**Precautionary Statements:**

**[Prevention]**

P261 - Avoid breathing vapor.

P272 - Contaminated work clothing should not be allowed to leave the workplace.

P280 - Wear protective clothing, protective gloves and eye protection.

**[Response]**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and 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.

P321 - Specific treatment: Seek medical attention. Refer to Section 4 of this SDS.

P333 + P337 + P313 - If skin irritation or rash occurs or if eye irritation persists: Get medical attention.

P362 - Take off contaminated clothing and wash before reuse.

P364 - Wash hands and exposed skin areas thoroughly after handling.

**[Disposal]**

P501 - Dispose of contents and container in accordance with national and local regulations.

#### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Substances

Not applicable

##### 3.2 Mixtures

% by Weight	Ingredient	CAS Number	EC Number	Index Number	GHS Classification
35.0 - 55.0	Calcium Carbonate*	471-34-1	207-439-9	-----	-----
4.0 - 10.0	Titanium Dioxide	13463-67-7	236-675-5	-----	-----
0.5 - 5.0	Vinyltrimethylsiloxane	2768-02-7	220-449-8	-----	H226, 318, H332
0.5 - 5.0	Amino Silane	1760-24-3	217-164-6	-----	H315, H317, H318, H332, H412

\*May contain crystalline silica (quartz), which has been determined to be carcinogenic as respirable dust.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation:** If product vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention.

**Eyes:** Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. Obtain immediate medical attention, preferably from an ophthalmologist.

**Skin:** Remove contaminated clothing. Quickly and gently remove excess product with a dry cloth or paper towel. Flush skin with lukewarm water for 15 minutes. Wash affected area with soap and water. Clean contaminated clothing and shoes before reuse. If irritation persists, seek medical advice.

**Ingestion:** Rinse mouth with water if the victim is conscious. Remove dentures, if present. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have the victim lean forward to reduce the risk of aspiration of material into the lungs. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. Get medical attention immediately.

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

#### Potential health symptoms and effects

**Eyes:** Causes serious eye irritation with inflammation, pain and tearing. Repeated or prolonged direct eye contact may cause chemical burns.

**Skin:** Cause skin irritation with localized redness and itching. May cause an allergic skin reaction in some individuals.

**Inhalation:** Vapor may cause irritation of the upper respiratory tract. May be harmful if inhaled.

**Ingestion:** May cause irritation of the mouth, throat and gastrointestinal tract with nausea, abdominal pain, vomiting and diarrhea. May be harmful if swallowed.

**Chronic:** Persons with pre-existing skin disorders or respiratory impairment may be more susceptible to the effects of this material. Titanium dioxide is a suspected animal carcinogen. Crystalline silica (as respirable dust) is a known carcinogen. Refer to Section 11.2.

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

#### Advice to Doctor and Hospital Personnel

Treat symptomatically and supportively.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 Extinguishable media

**Suitable methods of extinction:** Use extinguishing media such as water fog or water spray, dry chemical, carbon dioxide and foam.

**Unsuitable methods of extinction:** None known

### 5.2 Special hazards arising from the substance or mixture

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

**Explosion hazards:** Material does not present an explosion hazard.

### 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate non-essential personnel. Remove all sources of ignition. Ventilate the area. Wear appropriate protective clothing and equipment designated in Section 8. Spilled material creates a slip hazard.

### 6.2 Environmental precautions

Avoid dispersal of spilled material and prevent contact with soil and entry into drains, sewers or waterways.

### 6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. Cover spill with non-combustible absorbent. Wipe or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require use of steam or washing with detergents. Place saturated absorbent or cleaning materials into an approved container for proper disposal. Observe possible material restrictions (refer to Sections 7.2 and 10.5). Dispose of in accordance with national, state and local regulations.

### 6.4 Reference to other sections

For indications about waste treatment, see Section 13.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Observe label precautions. Wear all appropriate protective equipment specified in Section 8. Do not get in eyes or on skin or clothing. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear appropriate respiratory protection.

#### Advice on protection against fire and explosion

Product does not present a fire or explosion hazard.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in cool, dry, well-ventilated storage areas. Transfer only to approved containers having correct labeling. Protect containers against physical damage. Keep containers tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not reuse empty containers as they may retain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

## 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

# SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 Control parameters

### Occupational exposure limits

CAS Number	Ingredient	OSHA PEL	ACGIH TLV	NIOSH
471-34-1	Calcium Carbonate	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 ppm (as dust)	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
13463-67-7	Titanium Dioxide	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 ppm (as dust)	Ca*
14808-60-7	Quartz	10 mg/m <sup>3</sup> (respirable dust) 50 µ/m <sup>3</sup> (respirable dust)**	0.025mg/m <sup>3</sup> (respirable fraction)	0.05 mg/m <sup>3</sup> (respirable fraction)

\*Potential occupational carcinogen

\*\*PEL for construction applications

## 8.2 Exposure controls

**Engineering Measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to section 7.1.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking, smoking or using the lavatory.

**Eye/face protection:** Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166. It is recommended that contact lenses be removed before using this sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses, causing severe eye irritation.

**Hand Protection:** Wear Nitrile rubber or Neoprene gloves or those recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Other protective equipment:** Long sleeve shirts and trousers without cuffs; boots if the situation calls for them.

**Respiratory Protection:** None needed under ambient conditions with adequate local exhaust. Always use an approved respirator when vapors are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-faced supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

NOTE: This material may contain materials classified as nuisance particulates (listed as "dust") which may be present at hazardous levels only during sanding, abrading or removal of dried films. If no specific dusts are listed in Section 8, the applicable limits for unknown nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Environmental exposure controls:** Do not empty into drains.

*PPE must not be considered a long-term solution to exposure control. PPE usage must be accompanied by employer programs to properly select, maintain, clean fit and use. Consult a competent industrial hygiene resource to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.*



# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Appearance	Opaque paste; color may vary
Odor	Slight
Odor Threshold	No data available
Molecular Weight	Not applicable
Chemical Formula	Not applicable
pH	No data available
Freezing/Melting Point, Range	No data available
Initial Boiling Point	No data available
Evaporation Rate	Slower than ether
Flammability (solid, gas)	Not applicable
Flash Point	>200 °C (>392 °F)
Autoignition Temperature	No data available

<b>Decomposition Temperature</b>	No data available
<b>Lower Explosive Limit (LEL)</b>	No data available
<b>Upper Explosive Limit (UEL)</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	>1 (Air = 1)
<b>Specific Gravity</b>	1.65 - 1.67
<b>Viscosity</b>	No data available
<b>Solubility in Water</b>	No data available
<b>Partition Coefficient: n-octanol/water</b>	Not determined
<b>Oxidizing Properties</b>	Not applicable
<b>Explosive Properties</b>	Not applicable
<b>Volatiles by Weight @ 21 °C</b>	No data available
<b>VOC Content by Volume</b>	18 g/l

## 9.2 Other data

No data available

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

No special reactivity has been reported.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4 Conditions to avoid

Temperature extremes, moisture

### 10.5 Incompatible materials

Strong acids, strong oxidizing agents

### 10.6 Hazardous decomposition products

Thermal decomposition products include carbon oxides, silicon oxides, methanol, low molecular weight hydrocarbons.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Oral Toxicity

No data available

#### Acute inhalation toxicity

No data available

#### Acute dermal toxicity

No data available

#### Skin irritation

Causes skin irritation

#### Eye irritation

Cause eye serious eye irritation and eye damage

#### Sensitization

May cause an allergic skin reaction

#### Genotoxicity in vitro

No data available

#### Mutagenicity

No data available

#### Specific organ toxicity - single exposure

No data available

#### Specific organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

### 11.2 Further information

Titanium Dioxide: IARC Group 2B Carcinogen - *Possibly carcinogenic to humans*. Not listed as a carcinogen by ACGIH, OSHA or NTP. The IARC summary concluded, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials such as paint".

Crystalline silica (quartz) is considered a hazard by inhalation and there may be a relationship between silicosis and certain cancers.

IARC: Group 1 - *Carcinogenic to humans; Monograph No. 68 [1997]; listed under Crystalline Silica inhaled in the form of quartz or cristobalite from occupational sources*. ACGIH: A2 - *Suspected human carcinogen*; NTP - *Known carcinogen (select carcinogen)*; NIOSH: *Potential occupational carcinogen*.

No data is available regarding the mutagenicity or teratogenicity of this product nor is there available data that indicates that it causes adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Toxicity

The ecotoxicity of this product has not been evaluated. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.2 Persistence and degradability

Organic material in this product does not biodegrade at a significant rate.

### 12.3 Bioaccumulation potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

#### Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

The generation of waste should be avoided or minimized whenever possible. Although this product is classified as non-hazardous under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 this material and its container should be disposed of in a safe way as empty containers may contain product residue. Leave chemicals in original containers. No mixing with other waste. Handle unclean containers like the product itself. Incinerate in an approved facility. Do not incinerate closed container. Dispose of in accordance with the Directive 2008/98/EC as well as other national, federal, state/provincial and local laws and regulations.

**RCRA P-Series:** No listing

**RCRA U-Series:** No listing

## SECTION 14 - TRANSPORT INFORMATION

**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**NOT REGULATED FOR TRANSPORT**

## SECTION 15 - REGULATORY INFORMATION

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

#### U. S. Federal Regulations

**OSHA Hazard Communication Standard:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

**Toxic Substance Control Act (TSCA) Inventory:** All components of this product are listed or exempt from listing on the TSCA Inventory. This product is not subject to TSCA 12(b) Export Notification.

**Drug Enforcement Administration (DEA) List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.4(f)(2) and Chemical Code Number**  
No listings

**Drug Enforcement Administration (DEA) Lists 1 & 2, Exempt Chemical Mixtures (21 CFR 1310.12(c)) and Code Number**  
No listings

**Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS) Chemicals**  
No listings

#### **Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** Acute Health Hazard, Chronic Health Hazard

**SARA 313 Information:** None of the components of this product are subject to the reporting requirements established by Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

#### **SARA 302/304 Extremely Hazardous Substance**

No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

#### **SARA 302/304 Emergency Planning & Notification:**

No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** None of the components of this product are CERCLA reportable:

#### **Clean Air Act (CAA)**

This product does not contain any substances listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depleters.

This product does not contain any Class 2 Ozone depleters.

#### **Clean Water Act (CWA)**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

## U.S. State Regulations

### California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

### Other U.S. State Inventories

Calcium Carbonate (CAS #471-34-1) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: NJ, PA.

Titanium Dioxide (CAS #113463-67-7) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: IL, MA, MN, NJ, PA, RI.

Crystalline silica (as quartz) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: ID, MA, NJ, PA, RI, WA.

## Canada

**WHMIS Hazard Symbol and Classification:** No data available

**Canadian National Pollutant Release Inventory (NPRI):** None of the components of this product are listed on the NPRI.

## European Economic Community

**WGK, Germany (Water danger/protection):** No data available

## 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16 - OTHER INFORMATION

### Hazardous Material Information System (HMIS)

Health	* 2
Flammability	0
Physical Hazard	0
Personal Protection	C

#### HMIS Hazard Rating Legend

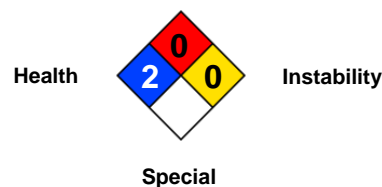
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious  
4 = Severe \* = Chronic Health Hazard

#### NFPA Hazard Rating Legend

0 = Insignificant 1 = Slight 2 = Moderate  
3 = High 4 = Extreme

### National Fire Protection Association (NFPA)

#### Flammability



### Full text of GHS Hazard Phrases referenced in Section 3 (not covered in Section 2)

H226 - Flammable liquid and vapor

H332 - Harmful if inhaled

H412 - Harmful to aquatic life with long lasting results

### Abbreviation Key

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ADR</b>	Accord Dangereux Routier (European regulations concerning the international transport of dangerous goods by road)
<b>CAS</b>	Chemical Abstract Services
<b>CFR</b>	Code of Federal Regulations
<b>DOT</b>	Department of Transportation
<b>EMS Guide</b>	Emergency Response Procedures for Ships Carrying Dangerous Goods
<b>EPA</b>	Environmental Protection Agency
<b>ERG</b>	Emergency Response Guide Book
<b>FDA</b>	Food and Drug Administration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
<b>HCS</b>	Hazard Communication Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association half maximal
<b>ICAO</b>	International Civil Aviation Organization
<b>IDLH</b>	Immediately Dangerous to Life and Health
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IMO</b>	International Maritime Organization
<b>mppcf</b>	Millions of Particles Per Cubic Foot
<b>NA</b>	North America
<b>NAERG</b>	North American Emergency Response Guide Book
<b>NIOSH</b>	National Institute for Occupational Safety
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PBT</b>	Persistent, Bioaccumulating and Toxic
<b>PEL</b>	Permissible exposure limit
<b>PMCC</b>	Pensky-Martens Closed Cup
<b>ppm</b>	Parts Per Million
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>RID</b>	Dangerous Goods by Rail
<b>RQ</b>	Reportable Quantity
<b>TCC/Tag</b>	Tagliabue Closed Cup
<b>TLV</b>	Threshold Limit Value

<b>TSCA</b>	Toxic Substance Control Act
<b>TWA</b>	Time-weighted Average
<b>UN</b>	United Nations
<b>VOC</b>	Volatile Organic Compounds
<b>vPvB</b>	Very Persistent and Very Bioaccumulating
<b>WHMIS</b>	Workplace Hazardous Materials Information System

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