

# Safety Data Sheet

## Section 1: Identification

### Product identification:

ComposiMold Plaster

Product and Company Identification

Name: ComposiMold Plaster

Other Names: Plaster of Paris with Potassium sulfate additive

### Company Identification:

ComposiMold

903 Western Avenue

Manchester ME 04351

Phone number: 1-888-281-2674

**EMERGENCY #** (Medical/Poison control) 1-800-222-1222

### Transportation/National Response Center:

1-800-535-5053

1-352-323-3500

NOTE: The National ResponseCenter emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

## Section 2: Hazards

EMERGENCY OVERVIEW: WARNING! Product dust may be irritating to eyes, skin and respiratory system. Removal of this product after use or by dry sanding will generate dust and exposure to this dust may be irritating to the eyes, ears, nose and mouth. May cause eye, skin, nose, throat and respiratory tract irritation. May cause burns. When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissues. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissues.

### GHS Classification

Acute Tox. 4 Inhalation, Carc. 1A, Eye Irrit. 2, STOT RE 1, STOT SE 1, Skin Irrit. 2

### Signal Word

Danger

### Possible Hazards

51% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

Skin Irritation, category 2 H315 Causes skin irritation.

Eye Irritation, category 2 H319 Causes serious eye irritation.

Acute Toxicity, Inhalation, category 4 H332 Harmful if inhaled.

Carcinogenicity, category 1A H350 May cause cancer.

STOT, single exposure, category 1 H370 Causes damage to organs .

STOT, repeated exposure, category 1 H372 Causes damage to organs through prolonged or repeated exposure.

### GHS LABEL PRECAUTIONARY STATEMENTS

P201 Obtain special instructions before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

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

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

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or a doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing.

## Section 3: Composition/information on ingredients

Chemical Name CAS-No. Wt. % GHS Symbols GHS Statements

Plaster of paris CAS-No. 26499-65-0 Wt. % 25-50 GHS Symbols No Information GHS Statements No Information

Limestone CAS-No. 1317-65-3 Wt. % 25-50 GHS Symbols GHS07 GHS Statements H332

Quartz CAS-No. 14808-60-7 Wt. % 1.0-2.5 GHS Symbols GHS07 GHS Statements H302

Potassium Sulfate CAS-No. 7778-80-5 Wt. % 2.0-6.5 GHS Symbols No Information GHS Statements No Information

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

## Section 4: First-aid measures

**FIRST AID - INHALATION:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.

**FIRST AID - EYE CONTACT:** In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

**FIRST AID - INGESTION:** If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

## Section 5: Fire-fighting measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** On heating/burning on exposure to temperature rise: release of toxic and corrosive gases/vapours (sulphur oxides). In molten state: reacts violently with (some) metals.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

## 6. Accidental release measures

### For non-emergency personnel

**Protective equipment:** Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. See "Material-Handling" to select protective clothing.

**Emergency procedures:** Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.

**Measures in case of dust release:** In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.

### For emergency responders

**Protective equipment:** Do not attempt to take action without suitable protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8 "Exposure controls/personal protection". For further information refer to section 8 "Exposure controls/personal protection".

Avoid release to the environment. Do not allow product to spread into the environment. Do not discharge into drains or rivers.

**For containment:** Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray.

**Methods for cleaning up :** In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Sweep up excess powder. Place remaining powder into containers. Prevent dust cloud formation

**Other information :** Dispose of materials or solid residues at an authorized site.

## 7. Handling and storage

**Precautions for safe handling :** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Do not breathe dust. Removal of this product after use will result in the generation of Dust. If dry-sanded, exposure to dust may result in the build-up of material in eyes, ears, nose, and mouth which may cause irritation. While dry sanding, use of a NIOSH-approved dust mask is recommended. Wash thoroughly after handling. Comply with the legal requirements. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Measure the concentration in the air regularly.

**Hygiene measures :** Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

**Technical measures :** Does not require any specific or particular measures.

**Storage conditions :** Store away from caustics and oxidizers. Store in original container. Keep containers dry, cool, well-ventilated area and tightly closed to avoid moisture absorption and contamination.

**Incompatible products :** Strong oxidizing agents. Aluminum.

**Heat-ignition :** KEEP SUBSTANCE AWAY FROM: heat sources.

**Storage area :** Store in a dry area. Store at room temperature. Keep container in a well-ventilated place. Meet the legal requirements.

**Special rules on packaging :** SPECIAL REQUIREMENTS: closing. dry. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

**Packaging materials :** SUITABLE MATERIAL: wood. glass. MATERIAL TO AVOID: aluminium.

## 8. Exposure controls/personal protection

**Appropriate engineering controls :** Ensure good ventilation of the work station. Extraction to remove dust at its source. Ensure good ventilation of the work station.

**Personal protective equipment :** Dust production: dust mask with filter type P2. Gloves. Safety glasses.

**RESPIRATORY PROTECTION:** Dust safety masks recommended where working powder concentration is more than 10 mg/m<sup>3</sup>. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m<sup>3</sup>) as determined by a full shift sample up to 10 hour work shift. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Wear protective gloves.

**EYE PROTECTION:** Goggles or safety glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash. Provide coveralls if body contact may occur.

**HYGIENIC PRACTICES:** Remove and wash contaminated clothing before re-use.

**Environmental exposure controls :** Avoid release to the environment.

## 9. Physical and chemical properties

**Appearance** White to Off-White

**Physical state** Powder.

**Form** Solid.

**Color** White

**Odor** slight to none.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** (93.3 °C) estimated

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit – lower (%)** Not available.

**Flammability limit – upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

#### **Other information**

**Density** No data available

**Explosive properties** No data available

**Flammability class** No data available

**Oxidizing properties** Not oxidizing.

## **10. Stability and reactivity**

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Do not breathe dust. Avoid dust formation in confined areas. Excessive heat and freezing.

**INCOMPATIBILITY:** Incompatible with strong bases and oxidizing agents. Aluminum.

**HAZARDOUS DECOMPOSITION PRODUCTS:** On heating/burning on exposure to temperature rise. release of toxic and corrosive gases/vapours (sulphur oxides, potassium oxides and calcium oxides). In molten state: reacts violently with (some) metals.

## **11. Toxicological information**

**EFFECT OF OVEREXPOSURE - INHALATION:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** May cause dry skin. May cause skin irritation. May cause skin irritation in susceptible persons. May develop enough heat to cause burns if a large mass such as a cast of hand or arm, is kept in contact with skin while hardening.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** May cause eye irritation. Contact with eyes may cause irritation.

**EFFECT OF OVEREXPOSURE - INGESTION:** Under normal use conditions, this product is not expected to cause adverse health effects. Single dose oral toxicity is very low. Amounts ingested incidental to industrial handling are not likely to cause injury; however AFTER ABSORPTION OF HIGH QUANTITIES Symptoms/injuries include Gastrointestinal complaints. Nausea. Diarrhoea. Irritation of the gastric/intestinal mucosa. Decreased renal function. Disturbances of heart rate. Ingestion may cause irritation to mucous membranes. Ingestion may result in obstruction when material hardens.

**CARCINOGENICITY:** No Information

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Contact

## 12. Ecological information

### Toxicity

**Ecology - general :** Classification concerning the environment: not applicable.

**Ecology - air :** Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). TA-Luft Klasse 5.2.1.

**Ecology - water :** Mild water pollutant (surface water). Maximum concentration in drinking water: 250 mg/l (sulfate) (Directive 98/83/EC). Slightly harmful to fishes (LC50(96h) 100-1000 mg/l). Slightly harmful to invertebrates (Daphnia) (EC50 (48h): 100 - 1000 mg/l). Not harmful to algae (EC50 (72h) >1000 mg/l).

### Persistence and degradability

No additional information available

### Bioaccumulative potential

No additional information available

### Mobility in soil

No additional information available

### Other adverse effects

**Effect on the global warming :** No known ecological damage caused by this product.

## 13. Disposal considerations

**Waste treatment methods :** Dispose of in accordance with relevant local regulations.

**Waste disposal recommendations :** Remove waste in accordance with local and/or national regulations. Recycle/reuse. Precipitate/make insoluble. Remove to an authorized dump (Class I).

**Additional information :** LWCA (the Netherlands): KGA category 05. Can be considered as non hazardous waste according to Directive 2008/98/EC.

## 14. Transport information

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transport in bulk according to** Not established.

## 15. Regulatory information

### **SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

### **TOXIC SUBSTANCES CONTROL ACT:**

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA12(b) components exist in this product in concentrations at or above their thresholds.

### **CALIFORNIA PROPOSITION 65**

**WARNING:** This product can expose you to chemicals including Silica, crystalline (airborne particles of respirable size) which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

### **CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class** Consumer Commodity

## 16. Other information

Issue date 08-27-2018

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Version # 01

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