

# CHEMGON®

## Safety Data Sheet

### SECTION 1 – IDENTIFICATION

**Date of Revision:** March 15, 2017

**Emergency Contact Telephone:** CHEMTREC (800) 424-9300

**Product Name:** Chemgon 2.5, Chemgon 5

**Synonym:** None

**CAS Number:** None Assigned

**Chemical Family:** polyacrylic acid, sodium salt, crosslinked

**Manufacturer:  
INFORMATION:**

WCM, Inc.

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CHEMTREC: (800) 424-9300

### SECTION 2 – HAZARD(S) IDENTIFICATION

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

**Classification of the product**

Combustible Dust                      Combustible Dust (1)                      Combustible Dust

**Label elements**

Signal Word: Warning

Hazard Statement:

May form combustible dust concentration in air.

**Hazards not otherwise classified**

No specific dangers known, if the regulations/notes for storage and handling are considered.

**According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

**Emergency overview**

CAUTION:

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	>= 95.0 %	Proprietary acrylic polymer

## SECTION 4 – FIRST AID MEASURES

### Description of first aid measures

**General advice:**

Remove contaminated clothing.

**If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

**If on skin:**

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

**If swallowed:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

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

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## SECTION 5- FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons: carbon dioxide, water jet

**Additional information:**

Avoid whirling up the material/product because of the danger of dust explosion.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
Burning produces harmful and toxic fumes.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

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

Breathing protection required. Avoid dust formation.

#### **Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

#### **Methods and material for containment and cleaning up**

Nonsparking tools should be used.

## **SECTION 7- HANDLING AND STORAGE**

#### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

Protection against fire and explosion:

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

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

Further information on storage conditions: Keep container dry because product takes up the humidity of air.

Keep container tightly closed and dry; store in a cool place.

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

## **SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Engineering Controls:** Use in a well-ventilated area

#### **Personal protective equipment**

##### **Respiratory protection:**

Breathing protection if dusts are formed.

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Granules

**Odor:** Odorless

**Color:** white

**pH Value:** approx.. 6.0

**Glass transition temp:** approx. 140 °C

**Thermal decomposition:** No decomposition if used as directed

**Solubility in Water:** Insoluble, only capable of swelling

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Corrosion to metals:

No corrosive effect on metal.

Minimum ignition energy:

The product is capable of dust explosion.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

The product is stable if stored and handled as prescribed/indicated.

### Conditions to avoid

Avoid humidity.

### Incompatible materials

water

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, hydrocarbons

Thermal decomposition:

No decomposition if used as directed.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

#### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

#### Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

#### Irritation / corrosion

Assessment of irritating effects: Ingestion may cause irritation of the gastrointestinal tract. Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

Skin

Species: rabbit Result:  
non-irritant  
Method: OECD Guideline 404

Eye

Species: rabbit Result:  
non-irritant  
Method: OECD Guideline 405

## Sensitization

No sensitizing effect. **Chronic**

**Toxicity/Effects**Carcinogenicity

*Information on: Superabsorber sodium salt*

*Assessment of carcinogenicity: A chronic (2-year) lifetime inhalation study in rats with respirable superabsorber polymer dust (micronized to < 10 µm diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m<sup>3</sup>. In the absence of chronic inflammation, tumours are not expected.*

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Other Information

The statement was derived from products of similar composition.

**Symptoms of Exposure**

No significant symptoms are expected due to the non-classification of the product.

## SECTION 12 – ECOLOGICAL INFORMATION

**Toxicity**Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants

EC50 (72 h) > 100 mg/l, Desmodosmus subspicatus (OECD Guideline 201)  
Nominal concentration.

Soil living organisms

Toxicity to soil dwelling organisms:

LC50 > 1,000 mg/kg, Eisenia foetida (OECD Guideline 207)

**Microorganisms/Effect on activated sludge**Toxicity to microorganisms

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

**Persistence and degradability**Assessment biodegradation and elimination (H<sub>2</sub>O)

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

## Mobility in soil

### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.

## Additional information

The product contains: <= 20 (W/W) PPM total amount of heavy metal as Pb

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### **Waste disposal of substance:**

Dispose of in accordance with local authority regulations. Incinerate in a licensed facility. Do not incinerate closed containers. Do not discharge into drains/surface waters/groundwater.

## SECTION 14 – TRANSPORT INFORMATION (non-mandatory)

### **Land transport**

USDOT Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO Not classified as a dangerous good under transport regulations

## SECTION 15 – REGULATORY INFORMATION

### **Federal Regulations**

#### **Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Fire (CombustibleDust);

#### **NFPA Hazard codes:**

Health : 1 Fire: 1 Reactivity: 0 Special:

#### **HMIS III rating**

Health: 1 Flammability: 1 Physical hazard:0

## SECTION 16 – OTHER INFORMATION

Chemgon is a registered trademark of WCM Inc.

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