

CHEMGON®

Safety Data Sheet

SECTION 1 – IDENTIFICATION

Date of Revision: April 19, 2021

Product Name: Chemgon 2.5, Chemgon 5

Synonym: None

CAS Number: None Assigned

Chemical Family: polyacrylic acid, sodium salt, crosslinked

**Manufacturer:
INFORMATION:**

WCM, Inc.

6054 Corte Del Cedro

Carlsbad, CA 92011

(760) 930-9101

info@wastewise.com

EMERGENCY CONTACT

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.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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

Under the referenced regulation, this product does not contain any components classified as hazardous above the relevant cut off value.

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 200 – 300 ml 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: (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment neededNote 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.

Dust explosion class: Dust explosion class 1 (Kst-value >0 up to 200 bar m s⁻¹).

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).

Body protection:

No body protection required if used for intended purpose and satisfying generally accepted industrial hygiene rules.

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: faint, Nonspecific

Color: white to off-white

pH Value: approx.. 6.0

Glass transition temp: approx. 140 °C (approx. 101.3 hPa) The substance / product decomposes.

Thermal decomposition: No decomposition if used as directed

Solubility in Water: Insoluble, only capable of swelling

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Dust explosivity characteristics:

Kst: 43 - 71 m.bar/s

A KSt-value of <200 bar.m.s-1 = dust explosion class, St 1

Dust explosion class:

Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1) (St 1)

Minimum ignition energy:

> 1 J

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/EffectsAcute 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

Assessment of sensitization: No sensitizing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

No sensitizing effect.

Chronic Toxicity/EffectsCarcinogenicity

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/m³. In the absence of chronic inflammation, tumours are not expected. A safe working level of 0.05 mg/m³ has been established for respirable superabsorbent polymer dust (< 10 µm diameter) by the German MAK commission.

Other Information

The statement was derived from products of similar composition.

Symptoms of Exposure

(Further) symptoms and / or effects are not known so far

SECTION 12 – ECOLOGICAL INFORMATION

ToxicityAquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

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, Desmodemus 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 sludgeToxicity 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 degradabilityAssessment biodegradation and elimination (H₂O)

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

Mobility in soilAssessment 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.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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): Refer to SDS section 2 for GHS hazard classes applicable for this product.

CERCLA RQ
5000 LBS

CAS Number
79-10-7; 10043-01-3

Chemical name
acrylic acid; Aluminium sulphate

State Regulations**Sate RTK**NJ
PA**CAS Number**57-55-6
57-55-6**Chemical name**Propylene glycol
Propylene glycol**NFPA Hazard codes:**

Health : 1 Fire: 1 Reactivity: 1 Special:

SECTION 16 – OTHER INFORMATION

Chemgon is a registered trademark of WCM Inc.

Disclaimer: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, WCM Inc, makes no warranty with respect thereto and disclaims all liability from reliance thereon. This product line is manufactured by WCM Inc