



Pickling Powder

1. Product and Company Identification

Product Name	Pickling Powder
Synonyms	None
MSDS Number	D15885
Company Identification	Wausau Chemical Corporation 9919 Innovation Way Wausau, WI 54401
Telephone	Wausau Chemical Corporation – 715.842.2285 CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Solid, powder
Color	White
Odor	Pungent
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200); corrosive, oral toxicity
GHS Classification	Acute toxicity, oral (Category 4) Skin corrosion/irritation (Category 3) Serious eye damage (Category 1) Acute aquatic toxicity (Category 2) Chronic aquatic toxicity (Category 3)

Pictogram



Signal Word Danger

Hazard Statement(s)

H302	Harmful if swallowed.
H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P501	Dispose of contents/ container to approved waste disposal plant.



Potential Acute Health Effects

Inhalation	Dust can cause irritation of the respiratory system.
Ingestion	Irritable to the mouth, esophagus and mucous membranes. May cause severe or deadly allergic reactions in some asthmatics or sensitive individuals.
Skin	May cause skin irritation on repeated or prolonged contact.
Eyes	Causes serious eye damage.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>WT %</u>
Sodium Metabisulfite	7681-57-4	90-95
Citric Acid	77-92-9	5-10
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	68081-81-2	1-5

4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Skin Contact	Take off contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician if irritation develops.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Drink large amounts of water and induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves while removing contaminated clothing. If it is suspected that dust, vapor, mist, or gas is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Not flammable or combustible
Flash Point (Method)	None
Auto Ignition Temperature	None

Extinguishing Media

Suitable	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Not Suitable	No data available
Special Fire-fighting Procedures & Hazards	Wear self-contained breathing apparatus for firefighting.
Unusual Fire & Explosion Hazards	Decomposes to sulfur dioxide gas and hazardous residue.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.



Discharge to the environment must be avoided.

Spill Contain spillage, and then place in container for disposal according to local regulations.

7. Handling and Storage

Handling Avoid contact with skin and eyes. Avoid inhalation of dust.
Storage Keep containers tightly closed in a dry and well-ventilated area. Store at ambient temperatures.

8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Sodium Metabisulfite	5 mg/m ³ – TWA	Not available
Citric Acid	Not established	Not established
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	Not established	Not established
Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation. Keep levels below exposure limits.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face 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-face supplied air respirator.	
Eyes and Face	Wear chemical safety goggles while handling this product.	
Skin	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: gauntlet-type, neoprene, nitrile.	

9. Physical and Chemical Properties

Appearance	Solid, white powder
Odor	Pungent
pH	Not applicable
Water Solubility	Very soluble
Vapor Density (air = 1)	Not applicable
Evaporation rate (butyl acetate = 1)	Not applicable
Boiling Point (°F)	Not applicable
Melting Point	Not known
Specific Gravity (H ₂ O = 1 @ 70 °F)	Not known
Vapor Pressure (mm Hg, 20 °C)	Not applicable
Volatile Organic (VOC) Content	None

10. Stability and Reactivity

Stable: X Unstable: Hazardous Polymerization: Occurs: Does Not Occur: X



Conditions to Avoid	Excessive heat and moisture.
Materials to Avoid	Acids, strong oxidizing agents, nitrates, nitrites.
Decomposition Products	Sulfur oxides, sulfur dioxide gas.

11. Toxicological Information

Eye	Causes eye irritation and/or burns.
Sodium Metabisulfite	Eyes - rabbit – risk of serious damage to eyes
Citric Acid	Eyes - rabbit – irritating to eyes
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	Eyes – no data available
Dermal	May cause skin irritation on repeated or prolonged contact.
Sodium Metabisulfite	Dermal LD50 – rabbit – > 2000 mg/kg Skin corrosion/irritation: no data available
Citric Acid	Dermal LD50 – rat - > 2000 mg/kg Skin corrosion/irritation: rabbit – mild skin irritation
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	Dermal LD50 – rabbit – > 2000 mg/kg Skin corrosion/irritation: no data available
Inhalation	Dust can cause irritation of the respiratory system, chest pains, breathing difficulty and pulmonary edema. Excessive amounts can cause death.
Sodium Metabisulfite	Inhalation LC50 – no data available
Citric Acid	Inhalation LC50 – no data available
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	Inhalation LC50 – no data available
Oral	Irritable to the mouth, esophagus and mucous membranes. May cause severe or deadly allergic reactions in some asthmatics or sensitive individuals. Large doses may cause violent colic, diarrhea, depression and death.
Sodium Metabisulfite	Oral LD50 – rat – 1540 mg/kg
Citric Acid	Oral LD50 – rat – 5400 mg/kg
Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts	Oral LD50 – rat – 1080 mg/kg

Potential Chronic Health Effects

Carcinogenicity	IARC: Group 3 – Not classifiable as to its carcinogenicity to humans. (sodium metabisulfite)
Mutagenicity	No data available
Teratogenicity	No data available
Fertility Effects	No data available

Over-exposure Signs/Symptoms



Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting., chest pain, difficulty in breathing, gastrointestinal discomfort, vomiting, diarrhea. Persons with allergies and/or asthma may exhibit hypersensitivity to sulfites.

12. Ecological Information

Biodegradability	No data available
Ecotoxicity	<p>Toxicity to fish:</p> <p>LC50 - Oncorhynchus mykiss (rainbow trout) - 150 - 220 mg/l - 96 h (sodium metabisulfite)</p> <p>LC50, mortality – Leuciscus idus melanotus – 440 mg/l – 48 h (citric acid)</p> <p>LC50 – Lepomis macrochirus (bluegill) – 1.67 mg/l – 96 h (Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts)</p> <p>Toxicity to aquatic invertebrates:</p> <p>EC50 - Daphnia magna (water flea) - 89 mg/l - 24 h (sodium metabisulfite)</p> <p>Static test – Daphnia magna (water flea) – 1535 mg/l - 24 h (citric acid)</p> <p>EC50 - Daphnia magna (water flea) – 2.9 mg/l - 48 h (Benzenesulfonic Acid, Mono-C10-16-alkyl Derivs., Sodium Salts)</p> <p>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.</p>

13. Disposal Considerations

Waste Disposal	Dispose of in a permitted waste management facility following all local, state, and federal regulations.
RCRA	No component of this product is listed as a hazardous waste.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US DOT 49 CFR 172.101	Non-bulk Shipments (Drums/Totes)	Bulk Shipments (Tank Trucks/Rail Cars)
Proper Shipping Name	Not DOT regulated	Same
Hazard Class	Not applicable	Same
Identification Number	Not applicable	Same
Packing Group	Not applicable	Same
Reportable Quantities	Not applicable	Same
Placards/Labels	Not applicable	Same

15. Regulatory Information

CERCLA / SARA Emergency Reporting	<p>A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws.</p> <p>No component requires reporting</p>
SARA Title III Section 313	This product does not require reporting.
Clean Water Act (CWA) Section 311	The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA.



Product not listed

TSCA – Toxic Substances Control Act

All components of this product are listed as “Active” on the Toxic Substances Control Act (TSCA) 8(b) Inventory.

RCRA – Resource Conservation and Recovery Act

The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA’s four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

No components listed

State Regulations

Massachusetts

RTK Substances: The following components are listed: no component(s) listed

New Jersey

RTK Substances: The following components are listed: Sodium Metabisulfite (CAS #7681-57-4)

Pennsylvania

RTK Substances: The following components are listed: Sodium Metabisulfite (CAS #7681-57-4)

California

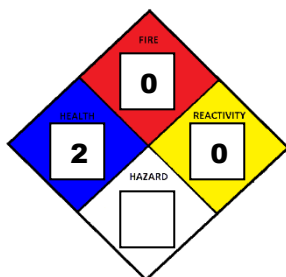
Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Date of Issue

3/5/2024

NFPA



HMIS

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. The customer is responsible for determining the PPE code for this material.

Notice to Reader

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