SAFETY DATA SHEET

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ProChem inc.

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Zinc Sulfate Hydrate**

PRODUCT NUMBER: 3892-5

CAS NUMBER: 16788-42-4

MANUFACTURER:

ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

PHONE: 815-398-1788
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram

Signal Word **Danger**

Hazard Statements

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Phrases

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	IF SWALLOWED: Call a POISON CENTER or doctor/physician.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.

HMIS CLASSIFICATION:
Health: 2 Chronic: * Fire: 0 Reactivity Hazard: 0
NFPA RATING:
Health: 2 Flammability: 0 Reactivity Hazard: 0 Specific Hazard:

EYE CONTACT: Causes eye damage.
SKIN CONTACT: May be harmful if absorbed through the skin.
INHALATION: May be harmful if inhaled.
INGESTION: Harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $ZnSO_4 \cdot XH_2O$

Molecular Weight: 179.45 (anhy.)

CHEMICAL NAME	CAS#	%
Zinc Sulfate Hydrate	16788-42-4	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Rinse with plenty of water for several minutes. Seek medical treatment.
SKIN EXPOSURE: Immediately flush with soap and plenty of water. Seek medical attention immediately.
INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
INGESTION: Keep victim calm. Seek medical attention.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Sulfur oxides and zinc oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.
ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Pick up and arrange for disposal without creating dust. Keep in suitable container for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Handle under dry protective gas. Prevent formation of dust.
CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store away from water, moisture, strong bases, and oxidizing agents. Hygroscopic. Store under dry inert gas. Protect from humidity and water.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.
EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.
SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.
VENTILATION: Provide local exhaust, preferably mechanical.
RESPIRATOR: Use an approved respirator.
ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid
ODOR: Odorless
MOLECULAR WEIGHT: 179.45 (anhy.)
BOILING POINT: No data available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

MELTING POINT: 100° C
SPECIFIC GRAVITY: 1.97
VAPOR DENSITY: No data available
SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Excess heat
INCOMPATIBILITY: Strong oxidizing agents, water, moisture, and bases.
DECOMPOSITION PRODUCTS: Sulfur oxides and zinc oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral –mouse – 926 mg/kg. LD50 Dermal – rat – 2000 mg/kg.
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
RTECS: ZH5300000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains substances which are hazardous for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

UN3077
Environmentally hazardous substances, solid, n.o.s.
(Zinc sulfate hydrate)
CLASS 9
PG III

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
SARA 302/304: Not Listed
SARA 311/312: Acute health hazards, Chronic health hazard
SARA (TITLE 313): Zinc Sulfate Hydrate
MASSACHUSETTS RIGHT TO KNOW: Zinc Sulfate Hydrate

SECTION 15 REGULATORY INFORMATION (Cont.)

PENNSYLVANIA RIGHT TO KNOW: Zinc Sulfate Hydrate
NEW JERSEY RIGHT TO KNOW: Zinc Sulfate Hydrate
CALIFORNIA PROP. 65: Not Listed
WHMIS CANADA: Class D-2B: Toxic material causing other toxic effects.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.
PREVOUS DATE REVISED: 06/24
DATE UPDATED REVISION: 09/26
REVISION SUMMARY: Removed fax number. All other details in this document about the product remained unchanged.
EHS / SDS DEPT.