



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Zinc Sulphate

SECTION 1: Identification

Product identifier

Product name	Hi-Yield® Zinc Sulphate
Product number	21624, 34624

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham, TX 75418 USA
Telephone	855-270-4776

Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

- Eye damage/irritation (chapter 3.3), Cat. 1
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1
- Acute toxicity, oral (chapter 3.1), Cat. 4

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H318	Causes serious eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H302	Harmful if swallowed

Safety Data Sheet
Hi-Yield® Zinc Sulphate

Precautionary statement(s)

P280	<p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.</p> <p>Avoid release to the environment.</p> <p>Collect spillage.</p> <p>Dispose of contents/container to ...</p> <p>Wash ... thoroughly after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell, Rinse mouth.</p>
P305+P351+P338	
P273	
P391	
P501	
P264	
P270	
P301+P312	
P330	

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Zinc sulfate monohydrate (CAS no.: 7733-02-0; EC no.: 231-793-3; Index no.: 030-006-00-9)	Not specified

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Personal protective equipment for first-aid responders

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and

Safety Data Sheet Hi-Yield® Zinc Sulphate

full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use any means suitable for extinguishing surrounding fire.

Specific hazards arising from the chemical

May release toxic oxides of zinc and sulfur in a fire.

Special protective actions for fire-fighters

Use water carefully as material will react with water to form acidic solution. Water spray may be used to keep fire exposed containers cool. Zinc sulfate can decompose at high temperatures to form toxic oxides, sulfur and zinc oxide.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear chemical resistant gloves, protective clothing and safety glasses.

Methods and materials for containment and cleaning up

Dispose of material according to State, Local and Federal regulations. Contain spills. Keep out of streams and domestic water supplies. Report large spills to Voluntary Purchasing Groups. Absorb small spills in inert materials, such as sand, sawdust, or Zorball.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Carefully open containers and after partial use close container tightly. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a cool dry area away from heat or open flame.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection

PVC or Neoprene gloves

Body protection

Safety Data Sheet

Hi-Yield® Zinc Sulphate

Water proof apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Respiratory protection

NIOSH/MSHA approved for protection

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	White powder
Odor	None
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	30% at 70° F
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Specific Gravity 3.28

SECTION 10: Stability and reactivity

Chemical stability

Stable

Possibility of hazardous reactions

May release toxic oxides of zinc and sulfur in a fire.

Incompatible materials

Zinc sulfate can decompose at high temperatures to form toxic oxides, sulfur and zinc oxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Chronic Exposure may cause fatigue, slow tendon reflexes, intestinal inflammation (with bleeding), diarrhea, blood effects, central nervous system depression.

Safety Data Sheet

Hi-Yield® Zinc Sulphate

Skin corrosion/irritation

Adverse symptoms may include the following: pain or irritation, redness, blistering may occur.

Serious eye damage/irritation

Adverse symptoms may include the following: pain, watering, redness

SECTION 12: Ecological information

Toxicity

To protect the environment, DO NOT allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

SECTION 13: Disposal considerations

Disposal of the product

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Zinc sulfate

CAS number: 7733-02-0

New Jersey Right To Know Components

Common name: ZINC SULFATE

CAS number: 7733-02-0

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid, zinc salt (1:1)

CAS number: 7733-02-0

HMIS Rating

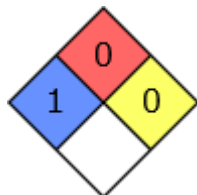
Hi-Yield® Zinc Sulphate

Safety Data Sheet

Hi-Yield® Zinc Sulphate

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.