

MATERIAL SAFETY DATA SHEET

Zinc Sulfate Heptahydrate

SECTION 1 . Product and Company Identification

Product Name and Synonym: Zinc Sulfate Heptahydrate

Product Code: Z3864

Material Uses:

Manufacturer: Science Stuff
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 7/2/2013

Print Date: 7/2/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	0
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Zinc Sulfate Heptahydrate	CAS# 7446-20-0	100	W/W	OSHA TWA 10 mg/mf

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Zinc Sulfate Heptahydrate

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: NIOSH Approved Gloves
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	740°C Decomposes	Percent Volatile by Volume:	0
Boiling Point:	Information not available	Evaporation Rate	N/A
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Colorless crystals	Upper Flamm. Limit in Air	Not applicable
Flash Point:	N/A		
Specific Gravity:	1.957		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Moisture
Materials to Avoid: Oxidizing materials
Hazardous Decomposition Products: Oxides of sulfur
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

RTECS:
CAS# 7446-20-0: ZH5300000
LD50/LC50:
CAS# 7446-20-0:
Oral, mouse: LD50 = 200 mg/kg;

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Oral, rat: LD50 = 1260 mg/kg
Carcinogenicity:
CAS# 7446-20-0: Not listed by ACGIH, IARC, NTP, or CA Proposition 65.
Epidemiology:
No information available.
Teratogenicity:
No information available.
Reproductive:
No information available.
Mutagenicity:
No information available.
Neurotoxicity:
No information available.

SECTION 12 Ecological Information

Ecotoxicity:
No information available.
Environmental:
Very toxic to aquatic organisms.

SECTION 13 Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

SECTION 14 Transport Information

DOT Classification: Not Regulated

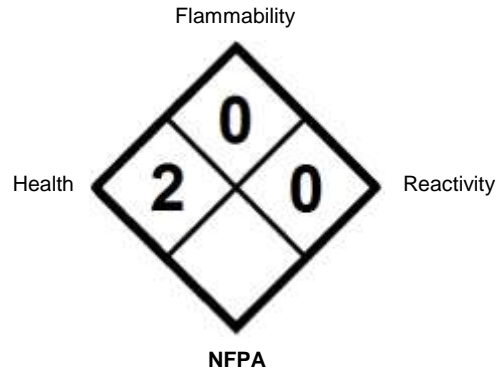
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

US Federal
TSCA:
CAS# 7446-20-0 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).
SARA Reportable Quantities (RQ):
None.
CERCLA/SARA Section 313:
This material contains Zinc sulfate, heptahydrate (listed as Zinc compounds), 99%, (CAS# 7446-20-0) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
OSHA - Highly Hazardous:
Not considered highly hazardous by OSHA.
US State
State Right to Know:
CAS# 7446-20-0 can be found on the following state right to know lists: California, (listed as Zinc compounds), Pennsylvania, (listed as Zinc compounds).
California Regulations:
Not listed.
European/International Regulations
Canadian DSL/NDSL:
CAS# 7446-20-0 is listed on Canada's DSL List.
Canada Ingredient Disclosure List:
CAS# 7446-20-0 is not listed on the Canadian Ingredient Disclosure List.

SECTION 16 Additional Information

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Revisions

0.2 Revised to 16 sec LS

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.