

24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616

DE SEGURIDAD SIGNALÉTIQUE

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

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03/09/92

Zinc Sulfate, 7-Hydrate

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J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name:

Zinc Sulfate, 7-Hydrate

Common Synonyms: N/A

Chemical Family: Zinc Compounds

Formula:

ZnSO<sub>4</sub> • 7H<sub>2</sub>0

Formula Wt.:

287.56

CAS No.:

7446-20-0

NIOSH/RTECS No.: ZH5300000

Product Use:

Laboratory Reagent

4384,5598,4382 Product Codes:

> PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* Sustem

HEALTH

FLAMMABILITY

SLIGHT

CONTACT

Laboratory Protective Equipment





# U.S. Precautionary Labeling

MARNING!

CAUSES IRRITATION, HARMFUL IF SWALLOWED. Avoid contact with eyes, skin, clothing. Keep in tightly closed container. Wash thoroughly after handling.



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FICHE SIGNALÉTIQUE HOJAS DE DATOS DE SEGURIDAD

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PRECAUTIONARY LABELING (CONTINUED)					
Inte	rnational	l Labeling			
Do not breathe dust.					
SAF-T-DATA* Storage Color Code: C	)range (ge	eneral stor	age)		
section II					
<del>Component</del> Zinc Sulfate, 7-Hydrate	<u>CAS No.</u> 7446-20-	<u>Weight</u> -0 99-100	% OSHA/F N/E	<u>PEL</u> <u>ac</u> N/	CGIH/TLU E
SECTION III - PHYSICAL DATA					
Boiling Point: N/A	ling Point: N/A		Vapor Pressure (mmHg): N/A		
elting Point: 100°C (212°F); (at 760 mm Hg)		Vapor D	Vapor Density (air=1): N∕A		
pecific Gravity: 1.97 (H <sub>2</sub> O=1)		Evapora	Evaporation Rate: N/A		
olubility(H <sub>2</sub> O): Appreciable (>10%)			% Volatiles by Volume: 0 (21°C)		
pH: N/A					
Odor Threshold (ppm): N/A		Physical	State: So	lid	
Coefficient Water/Oil Distribution	on: N/A				
Appearance & Odor: Colorless crystalline powder. Odorless.					



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A

Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire & Explosion Hazards

None identified.

Toxic Gases Produced

sulfur dioxide, zinc fumes

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

SECTION U - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components

No information is available

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.



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SECTION V - HEALTH HAZARD DATA (CONTINUED) 

Reproductive Effects

None identified.

Effects of Overexposure

INHALATION:

none identified

SKIN CONTACT:

irritation

EYE CONTACT:

irritation

SKIN ABSORPTION: none identified

INGESTION:

gastrointestinal pain

CHRONIC EFFECTS: none identified

Target Organs

none identified

Medical Conditions Generally Aggravated by Exposure

name identified

Primary Routes of Entry

ingestion, skin contact, eye contact

Emergency and First Aid Procedures

INGESTION:

If swallowed, if conscious, immediately CALL A PHYSICIAN.

induce vomiting.

INHALATION:

If inhaled, remove to fresh air. If not breathing, give

artificial respiration. If breathing is difficult, give

oxygen.

SKIN CONTACT: In case of contact, flush skin with water.

EYE CONTACT:

In case of eye contact, immediately flush with plenty of

water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Reactivity: No Acute: Yes Chronic: Yes Flammability: No Pressure: No



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Page: 5 Zinc Sulfate, 7-Hydrate Z4560 - 02 Issued: 07/10/93 Effective: 03/09/92 SECTION U - HEALTH HAZARD DATA (CONTINUED) Extremely Hazardous Substance: No Contains Zinc (RQ = 1000 LBS) CERCLA Hazardous Substance: Yes Contains Zinc SARA 313 Toxic Chemicals: Yes Generic Class Removed from CFR: Generic Class: Yes TSCA Inventory: "我就是我们的现在,我们们会现在的,我们就会是我们的,我们就会会会会的,我们就会会的的。" "我们们的,我们就会会会会会是这样的,我们们就会会会会会会会会会会, SECTION UI - REACTIVITY DATA Hazardous Polymerization: Will not occur Stability: Stable heat, moisture Conditions to Avoid: Incompatibles: water Decomposition Products: oxides of sulfur, oxides of zinc SECTION VII - SPILL & DISPOSAL PROCEDURES Steps to be Taken in the Event of a Spill or Discharge Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remové from area. Flush spill area with water. <u>Disposal Procedure</u> Dispose in accordance with all applicable federal, state, and local

environmental regulations.

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation:

Use adequate general or local exhaust ventilation to

keep fume or dust levels as low as possible.

Respiratory Protection: None required where adequate ventilation conditions

If airborne concentration is high, use an exist.

appropriate respirator or dust mask.

Safety goggles, rubber gloves are recommended. Eve/Skin Protection:



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SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA\* Storage Color Code: Orange (general storage)

Storage Requirements

Keep container tightly closed. Suitable for any general chemical storage

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Hazardous substance, solid, n.o.s. (Zinc sulfate) Proper Shipping Name:

Hazard Class:

ORM-E Reportable Quantity: 1000 LBS. UN/NA: NA9188

Labels: NONE

Regulatory References: 49CFR 172.101; 173.500; 173.510

International (I.M.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

Marine Pollutants: No

AIR (I,C,A,O,)

Chemicals, n.o.s. (Non-regulated) Proper Shipping Name:

U.S. Customs Harmonization Number: 28332600009

N/A = Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the This document Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular Depending on usage, protective clothing including eye and application. face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. Continued on Page:

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chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label. BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

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