

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Zinc Sulphate

ZI100-36

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 01-Aug-16
TELEPHONE NO.: (519) 451-1614
EMERGENCY PHONE NO.: (613) 996-6666
CHEMICAL FAMILY: Not Available **CHEMICAL FORMULA:** O4SZN
MOLECULAR WEIGHT: Not Applicable **MATERIAL USE:** Please Refer to technical literature
SYNONYMS:

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Zinc Sulphate	100 %	007733020	2949mg/kg [Rat] ORAL (LD50)	N.Av.	N.Av.

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: Hazardous in case of eye contact (irritant).
Skin: Slightly hazardous in case of skin contact (irritant).
Inhalation: Hazardous in case of inhalation. Severe over-exposure can result in death.
Ingestion: Hazardous in case of ingestion. Severe over-exposure can result in death.

SECTION 04: FIRTAID

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Eye Contact: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.

Inhalation, Acute: Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

Ingestion: DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Notes to physician: N.Av.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABLE?	No
IF YES, UNDER WHICH CONDITIONS?	
FLASH POINT (TCC) (C):	Not Available
FLAMMABLE LIMITS:	LEL(% BY VOL.): Not Available UEL(% BY VOL.): Not Available
AUTO IGNITION TEMPERATURE (C)	Not Available
EXTINGUISHING MEDIA	Not Available
SPECIAL PROCEDURES:	Not Available
HAZARDOUS COMBUSTION PRODUCTS:	Not Available
UNUSUAL FIRE AND EXPLOSION HAZARDS	Not Available
SENSITIVITY TO STATIC DISCHARGE	Not Available
SENSITIVITY TO MECHANICAL IMPACT:	Not Available

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill Our database contains no additional information in case of a spill and/or a leak of the product. Use a shovel to put the material into a convenient waste disposal container.

SECTION 07: HANDLING AND STORAGE**Handling Procedures and Storage Requirements**

Precautions Keep locked up. DO NOT ingest. DO NOT breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage Keep container tightly closed. Keep in a cool and wellventilated area. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES/TYPE:	Impervious chemical resistant gloves
RESPIRATOR/TYPE:	Use NIOSH/MSHA respirator with organic vapor cartridge
EYE/TYPE:	Splash goggles
OTHER/TYPE:	Not Available
ENGINEERING CONTROL	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIE

PHYSICAL STATE/APPEARANCE:	Solid. (Crystals solid.)		
ODOUR:	Not Available	ODOUR THRESHOLD:	N. Av.
VAPOUR PRESSURE (mm Hg @ 20C):	N. Av.	VAPOUR DENSITY (Air=1):	N. Av.
EVAPORATION RATE (Ether = 1):	N. Av.	SPECIFIC GRAVITY:	1.97
BOILING POINT (C):	>500.C	FREEZING POINT (C)	100.C
Ph (% SOLUTION):	N. Av.	% VOLATILE (WT):	N. Av.
SOLUBILITY IN WATER (% W/W)	Easily soluble in cold water.		

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? Yes

IF NO, UNDER WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES Yes

IF YES, WITH WHICH ONES: Reactive with oxidizing agents, acids, moisture.with various substances

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS

HAZARDOUS DECOMPOSITION PRODUCTS: May liberate toxic fumes of zinc oxides and oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL N Av
LC 50 OF MATERIAL, SPECIES AND ROUTE N Av
LD 50 OF MATERIAL, SPECIES AND ROUTE N Av
CARCINOGENICITY OF MATERIAL N Av
REPRODUCTIVE EFFECTS: N Av
IRRITANCY OF MATERIAL N Av
SENSITIZING CAPABILITY OF MATERIAL N Av
SYNERGISTIC MATERIALS N Av

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY N Av

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Waste Disposal Recycle: If possible. Consult your local or regional authorities.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class 8, Zinc Sulphate

UN NUMBER: 9161

PACKING GROUP: III

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION D-2B

Material causing other toxic effects (TOXIC).

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES: Supplier MSDS

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