

PESTELL MINERALS & INGREDIENTS INC.

Safety Data Sheet

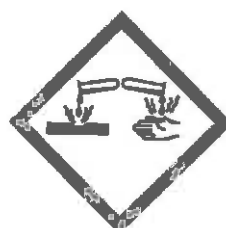
Zinc Sulphate 35.5% Monohydrate Maxi Granular

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Zinc Sulphate 35.5% Monohydrate Maxi Granular
CAS-No. 7746-19-7
EC No. 231-793-3
SUPPLIER Pestell Minerals & Ingredients Inc.
141 Hamilton Road,
New Hamburg, ON
Phone: 519-662-2877
email: qa@pestell.com
Emergency Contact Number CANUTEC (24hs)613-996-6666

2 HAZARDS IDENTIFICATION

CLASSIFICATION Xn;R22,Xi;R41.N;R50/53
CLASSIFICATION
Physical Not classified
Health Eye Dam.
Environmental Aquatic Chronic 2-H411
LABEL IN ACCORDANCE WITH (EC)



SIGNAL WORD

Danger

HAZARD STATEMENTS

Harmful if swallowed

Causes serious eye damage

PRECAUTIONARY STATEMENTS-PREVENTION

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

PRECAUTIONARY STATEMENTS-RESPONSE

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a poison center or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

PRECAUTIONARY STATEMENTS-DISPOSAL

Dispose of contents/container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient: Zinc Sulfate Monohydrate or Zinc Sulphate Monohydrate

CAS Number: 7446-19-7

All ingredients as below:

ZnSO₄.H₂O--98%

(Zinc) Zn--35.5%

SO₄-(Sulfate radical)Inside S(Sulphur) as 17.5%--52.5%(S as 17.5)

H₂O--10%

Cl(Chloride)--1.5%

Cd (Cadmium)--0.001%

Pb(Lead)--0.002%

As (Arsenic)--0.0005%

Fe(Iron)--0.09%

Ni(Nickel)--0.006%

Hg(Mercury)--0.0004%

Cr(Chromium)--0.05%

Cu(Copper)--0.0001%

Ca(Cadmium)--0.15%

Mg(Magnesium)--0.2%

Trade Names and Synonyms: Zinc Sulfate or Zinc Sulphate, ZnSO₄.H₂O, Hydrated Zinc Sulfate.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air once. Get medical attention. Provide rest. Warmth and fresh air. When breathing is difficult, property trained personnel may assist affected person by administering oxygen.

INGESTION

Provide rest, warmth and fresh air.Immediately rinse mouth and drink plent of water(200-300ml).Get nedical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIFIC HAZARDS

Oxides of: Sulphur.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust. Avoid contact with eyes. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Shovel in to dry containers. Cover and move the containers. Flush the area with water. Collect spillage in containers, seal securely and delivery for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide good ventilation.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY EQUIPMENT



RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be

provided.

HAND PROTECTION

Butyl rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

HYGIENE MEASURE

DO NOT SMOKE IN WORK AREAL .Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap& water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust
COLOUR	White
ODOUR	Odorless
SOLUBILITY	Soluble in water
PH-VALUE, DILUTED SOLUTION	5-6.5

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Strong oxidizing substances. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxide of :Carbon

11 TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

Irritating to respiratory system.

INGESTION

Harmful if swallowed

TARGET ORGAN

Skin Eyes Respiratory system, lungs.

12 ECCOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is very toxic to aquatic organisms

and which may cause long term adverse effects in the aquatic environment.

MOBILITY

The product is soluble in water.

DEGRADABILITY

The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		
PROPER SHIPPING NAME	ZINC SULPHATE MONOHYDRATE		
UN NO. ROAD	3077	UK ROAD PACK GR	III
ADR CLASS NO.	9	ADR Class	Class 9; Miscellaneous dangerous substances and articles.
ARD PACK GROUP	III	TUNNEL RESTRICTION CODE (E)	
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	2Z	CEFIC TEC(R) NO.	90GM7-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3077	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
UN NO. AIR	3077	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/95 as well as Council Directive 76/769/EEC and Commission Directives 91/55/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard information and Packaging for Supply)

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparation

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16 OTHER INFORMATION

No regulation

REVISION DATE

02 August 2017