

Potassium Sulphate

1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: Potassium Sulphate

Other Names: Sulfuric Acid, Dipotassium Salt, Dipotassium Sulphate

Chemical formula: K_2SO_4

Recommended Use: As a fertiliser ingredient

Company: Fert Wholesale Direct Ltd

Address: 205 Main Street, Mataura 9712

Contact phone no: 021 0235 6491

National Poisons Information Centre: 0800 POISON (0800 764 766)

Emergency Telephone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)

Transport Emergency Phone: 111 - tell operator what service is needed: Fire, Ambulance, Police

2: HAZARD IDENTIFICATION

Statement of Hazardous Nature: Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

Hazard Classifications: 6.3B

Priority Identifiers: Harmful if swallowed.

Harmful if inhaled.

Causes serious eye irritation.

Harmful to terrestrial vertebrates.

Secondary Identifiers: 6.3B = Causes mild skin irritation.



WARNING

3: COMPOSITION INFORMATION

INGREDIENT: Potassium Sulphate

CAS No. : 7778-80-5

CONTENT: 100%

4: FIRST AID MEASURES

First Aid Measures: IF SKIN IRRITATION OCCURS: get medical attention/advice.

Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.



Inhalation: Remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance if effects persist.

Ingestion: Never give anything by mouth to an unconscious person. If large quantities are ingested five 1 or 2 glasses of fluid to dilute, do NOT induce vomiting. Seek medical advice.

Skin: Wash affected area thoroughly with water, then soap and water. Wash hands thoroughly.

Remove contaminated clothing.

Eye: IMMEDIATELY flush with large amounts of water for at least 15 minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical attention.

Advice to Doctor: Treat symptomatically.

5: FIRE FIGHTING MEASURES

Flash Point: N/A (Non-flammable).

Combustion Products: Sulphur oxides, potassium oxides.

Extinguishing Media: Based on surrounding materials.

Protective Equipment: Breathing apparatus, goggles and protective gloves.

HAZCHEM Code: None allocated.

6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Protect yourself and others from injury. Wear appropriate protective clothing.

Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.

Protective Clothing: For appropriate personal protective equipment see section 8.

Environmental: Avoid unintended release of excessive amounts into waterways or sewers. If spill does enter waterway contact local authority.

7: HANDLING AND STORAGE

Handling: Avoid generating dusts, do not breathe dusts. Use in a well ventilated area. Avoid contact with substance.

Approved Handler: Not required

Tracking: Not required

Record Keeping: Not required

Storage: Store in a cool, dry area

Precautionary Statements: Keep out of reach of children.

Wash hands thoroughly after handling.

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

Avoid unintended release to the environment.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: Workplace Exposure Standards (WES): Particulates not otherwise classified:

Inspirable dust 10mg.m⁻³

Respirable dust 3mg.m⁻³

Total Exposure Limit (TEL): Not assigned

Protective Equipment: Overalls, safety glasses and gloves. If dust is present wear dust mask and goggles. Eye wash facilities should be available.

Engineering Controls: Handle in well ventilated area. If dust generated use local extraction to control. Avoid inhalation of dust.

Hygiene Precautions: Remove protective clothing and wash hands and face before meals and after work.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White or cream powder.

Odour: None

Specific Gravity: 2.66 g/cm⁻³

Bulk Density: 1340 kg/m³

pH: (50g.L⁻¹ in water, 20°C) 5.5-7.5

Solubility in Water: Soluble

Flash Point: N/A

Melting Point 1069°C

Vapour pressure: Not available

Vapour density: Not available

Boiling point: 1689°C

Auto-ignition temperature: N/A

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous Polymerisation: Will not occur.

Hazardous Decomposition Products: Sulphur oxides.

Conditions to Avoid: Strong heat.

Materials to Avoid: No specific incompatibilities.

Hygroscopic: No

11: TOXICOLOGICAL INFORMATION

ERMA Classifications: 6.3B

Ingestion: Ingestion of large quantities may lead to vomiting, diarrhea, potassium toxicity.

Inhalation: Nuisance dust.

Skin: No adverse effects expected.

Eye: Mechanical irritation.

Other Information: No adverse health effects expected under normal conditions.

Toxicity Data: LD₅₀ (oral, rat) 6600mg.kg⁻¹

12: ECOLOGICAL INFORMATION

ERMA Classifications: Not assigned.

Ecotoxicity: Avoid washing excessive amounts into streams and waterways.

13: DISPOSAL INFORMATION

Product Disposal: Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of in an approved land fill. If practicable apply excess fertiliser at recommended rates to appropriate land.

Container Disposal: Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

14: TRANSPORT INFORMATION

UN Number: None Allocated.

Proper Shipping Name: None Allocated.

DG Class: None Allocated.

Other Information: No special transport requirements necessary

15: REGULATORY INFORMATION

Exposure limits: (See sections 8 & 12).

ERMA: Approved pursuant to the HSNO Act 1996, Approval number HSR002794.

See www.epa.govt.nz for approval controls.

16: OTHER INFORMATION

This SDS supersedes all previous versions and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.