

SECTION 4. FIRST-AID MEASURES

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin contact Brush away excess of dry material. Immediately flush with cool water for 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing well before reuse or discard.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

Notes to physician Treat patient symptomatically.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable by WHMIS criteria.
Suitable extinguishing Media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of sulphur.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Keep unnecessary personnel away. Do not touch or walk-through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions Do not discharge into lakes, streams, ponds, or public waters.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements, or confined areas.

Methods for cleaning up Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Use according to package label instructions. Do not get in eyes, on skin or on clothing. Avoid breathing dusts from this material. Use only with adequate ventilation. Wash thoroughly after handling.
Conditions for Safe Storage	Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Individual Protection Measures	Use only with adequate ventilation. Good general ventilation should be sufficient to control airborne levels. If user operations generate dust, fumes, or mist use ventilation to minimize exposure.
Eye/Face Protection	Chemical splash goggles complying with an approved standard should be worn to avoid exposure to liquid splashes, mists, dusts, or gases.
Skin Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
Respiratory Protection	A properly fitted respirator that complies with an approved standard and is specified for protection against paint spray mist and organic vapours should be used when working in restricted or confined areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dry crystalline solid spherical shape beads
Odour	Fresh to pungent
Color	Off-white
Odour Threshold	n/a
pH	<1 [Conc. (% w/w): 5%]
Melting Point and Freezing Point	177°C (350.6°F)
Initial Boiling Point and Boiling Range	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper and Lower Flammability or Explosive Limit	Not Applicable
Vapour Pressure	Not Applicable
Vapour Density (air = 1)	Not Applicable
Relative Density (water = 1)	1.28
Solubility in Water	Completely Soluble
Solubility in Other Liquids	Not Available
Partition Coefficient, n-Octanol / Water (Log Kow)	Not Available
Auto-ignition Temperature	n/a, non-flammable
Decomposition Temperature	n/a, non-flammable
Viscosity	Not Applicable
Molecular weight	120

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Reacts with water to form sulphuric acid. Reacts vigorously with alkaline material. This product may react with reducing agents.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerisation does not occur.
Conditions to Avoid:	Do not mix with other chemicals.
Incompatible Materials:	Caustics. Reducing Agents.
Hazardous Decomposition Products:	May include and are not limited to: Oxides of sulphur.
Hazardous polymerization:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Oral LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Dermal LD50 Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Mist LC50 Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfuric acid, sodium salt (1:1)	LD50 = 2490 mg/kg (Rat)	>2000 mg/kg (rabbit)	Not listed

Toxicologically Synergistic Products

No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure Irritation

Risk of serious damage to eyes

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Sulfuric acid, sodium salt (1:1)	7681-38-1	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed

No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

SECTION 12. ECOLOGICAL INFORMATION (section heading must appear; all content is optional)

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sulfuric acid, sodium salt (1:1)	Not listed	Not listed	EC10 >1000 mg/l (Pseudomonas putida) (16h)	EC50: = 190 mg/L, 48h (Daphnia magna)

Persistence and Degradability

Soluble in water Persistence is unlikely based on information.

**Bioaccumulation/ Accumulation
Mobility**

**No information available.
Will likely be mobile in the environment due to its water solubility.**

SECTION 13. DISPOSAL CONSIDERATIONS (section heading must appear; all content is optional)

Disposal Methods: In the event of a spill: Dike and contain, transfer to containers for recovery or disposal.
Keep out of sewers.
Waste disposal: Follow federal, provincial and local regulations regarding disposal.

SECTION 14. TRANSPORT INFORMATION (section heading must appear; all content is optional)

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
Not regulated	n/a				

Special Precautions: Not classified as dangerous in the meaning of transport regulations.
Environmental Hazards: n/a
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not regulated

SECTION 15. REGULATORY INFORMATION (section heading must appear; all content is optional)

International Inventories

Component	CAS-No	DSL	NDSL	TSCA	TSCA Inventory notification - Active-Inactive	EINECS	ELINCS	NLP
Sulfuric acid, sodium salt (1:1)	7681-38-1	X	-	X	ACTIVE	231-665-7	-	-

Component	CAS-No	IECSC	KECL	ENCS	ISHL	TCSI	AICS	NZIoC	PICCS
Sulfuric acid, sodium salt (1:1)	7681-38-1	X	KE-31481	X	X	X	X	X	X

Legend:

X - Listed '-' - Not Listed

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

ENCS - Japanese Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Canada

SDS in compliance with provisions of information as set out in Canadian Standard - Part 4, Schedule 1 and 2 of the Hazardous Products Regulations (HPR) and meets the requirements of the HPR (Paragraph 13(1)(a) of the Hazardous Products Act (HPA)).

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Sulfuric acid, sodium salt (1:1)	-	Use restricted. See item 75. (see link for restriction details)	-

Other International Regulations Authorisation/Restrictions according to EU REACH

<https://echa.europa.eu/substances-restricted-under-reach>

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sulfuric acid, sodium salt (1:1)	7681-38-1	Listed	Not applicable	Not applicable	Not applicable
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Component	CAS-No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Sulfuric acid, sodium salt (1:1)	7681-38-1	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 16. OTHER INFORMATION

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