

ACID SULFATE

Product: R-0781

Section 1: PRODUCT INFORMATION

Chemical family: Inorganic acid.

Product uses: Chemical.

Supplier: Lowry & Associates, div. of Chem-Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4-1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Canutec 613-996-6666.
905-625-9117 (Monday - Friday 9 a.m. - 4 p.m.).

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification:
SULPHURIC ACID
UN1830
Class 8
PG II.



WHMIS classification:

E



DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
7681-38-1	100	SODIUM BISULFATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Solid

Appearance & odor: Odourless.
Crystals.
White to off-white.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not applicable.

Vapour density (air=1): Not applicable.

Volatiles (%)

- By volume:** Not applicable.
- Evaporation rate (butyl acetate = 1):** Not applicable.
- Boiling point (°C):** Not applicable.
- Freezing point (°C):** Not applicable.
- pH:** Not applicable.
- Specific gravity @ 20 °C:** Not applicable.
- Solubility in water (%):** Soluble.
- Coefficient of water\oil dist.:** Not applicable.
- VOC:** Not available.

Section 4: FIRE & EXPLOSION DATA

- Flammability:** Not flammable.
- Conditions of flammability:** Surrounding fire.
- Extinguishing media:** Carbon dioxide, dry chemical, foam.
Water spray.
- Special procedures:** Wear a positive–pressure, self–contained breathing apparatus and full protective equipment.
- Auto–ignition temperature (°C):** Not applicable.
- Flash point (°C), method:** Not applicable.
- Lower flammability limit (% vol):** Not applicable.
- Upper flammability limit (% vol):** Not applicable.
- Explosion Data**
- Sensitivity to static discharge:** Not available.
- Sensitivity to mechanical impact:** Not available.
- Hazardous combustion products:** Oxides of sulfur (SO_x).
Oxides of sodium (NaO_x).
- Explosive power:** Contact with certain metals may yield explosive hydrogen gas.

Section 5: REACTIVITY DATA

- Chemical stability:** Stable under normal conditions.
- Conditions of instability:** Extreme temperatures.
Extreme heat.
- Hazardous polymerization:** Not available.
- Incompatible substances:** Strong alkalis.
Metals.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Ingestion and skin contact.

Effects of acute exposure

Eye contact: Irritant.
May cause burns.

Skin contact: Irritant.
May cause burns.

Inhalation: Irritant.
May cause burning of the respiratory system.
May cause burning of nose and throat.

Ingestion: May cause gastro-intestinal irritation.
May cause nausea, vomiting and diarrhea.

Effects of chronic exposure: Pre-existing eye, skin and respiratory disorders may be aggravated.

LD50 of product, species & route: Not available.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: None known.

Teratogenicity: None known.

Mutagenicity: None known.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



General work gloves to minimize skin contact.

Respiratory/Type:



NIOSH approved respirator, if necessary.

Eye/Type:



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Lab coat.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Ventilate adequately.

Leak/Spill: Wear appropriate protective equipment.
Neutralize with soda ash.
Soak up with inert absorbent.
Place in a closed container for disposal.

Waste disposal: Dispose of all waste in accordance with Local, State, and Federal regulations.

Handling procedures and equipment: Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Avoid breathing dust or vapors.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep out of direct sunlight.
Store in a cool and dry place.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes with running fresh water for a minimum of 20 minutes.
Hold eyelids open during flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air.
Obtain immediate medical attention.

Ingestion: Give large quantities of water to drink.
Never give anything by mouth to an unconscious person.
Do not induce vomiting, seek immediate medical attention.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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