MATERIAL SAFETY DATA SHEET

Revision #: 02

Section 1 - Product Identification & Use

Product Name:	**Sodium Sulfite**
Synonyms:	**Sulftech**
WHMIS Classification:	D,2A, Toxic materials
TDG Classification:	Not regulated
Supplier:	Advance Chemicals Ltd. 2023 Kingsway Avenue Port Coquitlam, B.C. V3C 1S9 Phone: (604) 945-9666 Fax: (604) 945-9617
Emergency phone:	CANUTEC 24 hrs. (613) 996-6666

Section 2 - Hazardous Ingredients

Hazardous Component	%(w/w)	C.A.S. No.	LD_{50} & LC_{50}
Sodium Sulfite	100	7757-83-7	oral(rabbit) 2825 mg/kg

Section 3 - Physical Data

Physical state:	solid
Specific Gravity (Water = 1):	2.63
Boiling point:	decomposes at 900°C
Freezing point:	no data
pH 1% solution:	9.8
Solubility in water (anhydrous):	17% at 10°C 28% at 33.4°C
Vapour pressure:	no data
Evaporation rate:	no data found

Odour & Appearance: Odourless, white crystals or powder.

Section 4 - Fire or Explosion Hazard

Flammability: The product is not considered to be flammable.

Extinguishing media: Water. Wear full chemical protective clothing. Use an extinguishing media for surrounding the fire, or all purpose foam by manufacturer's recommended techniques for large fires. Use water to cool fire exposed containers to prevent vapour build-up and rupture.

Hazardous Combustion/Decomposition Products: Sulfur dioxide gas - toxic and corrosive. Sodium sulfide residue - flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

Section 5 - Reactivity Data

Stability: Stable.

Incompatible substances: Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.

Polymerization: Will not occur.

Hazardous decomposition products: Sulfur dioxide gas - toxic and corrosive. Sodium sulfide residue - flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

Section 6 - Toxicological Properties

Inhalation: Dust or mist may irritate respiratory tract.

Skin contact: May irritate skin.

Eye contact: May irritate or burn eyes.

Ingestion: May irritate gastrointestinal tract. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression, and even death.

Section 7 - Preventative Measures

Personal Protective Equipment: Avoid contact with skin and eyes. Wear chemical protective gloves, goggles and face shield, rubber apron and boots. Eye wash fountains and safety shower facilities should be provided nearby for emergency use.

Respiratory protection: Use a NIOSH/MSHA approved air purifying, dust, mist and particulate respirator.

Action to take for spills & leaks: Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Small spills should be swept or vacuumed up and disposed of in government approved waste containers. The spill area may then be flushed with large quantities of water. Larger spills should be contained by diking with sand, soil or other non-combustible material, then transferred into approved waste containers for proper disposal. Do not allow spilled, or waste product to flow into waterways. Keep product out of sewers, storm drains, surface run-off water and soil. Restrict access to non-protected personnel. Comply with all government regulations on spill reporting, and handling and disposal of waste.

Disposal methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures. **Note**: empty containers can have residues, gasses and mists, and are subject to proper waste disposal as mentioned above.

Storage & Handling Precautions: Warning, harmful or fatal if swallowed. Causes eye, skin and respiratory irritation. Avoid contact with eyes and repeated contact with skin and clothing. Do not ingest. Keep container tightly closed when not in use. Store upright in a cool, dry, well ventilated place away from incompatible materials. Do not use pressure to empty container. Wash thoroughly after handling. Use with adequate ventilation.

Repair and Maintenance Precautions: Do not cut, grind, weld or drill in, on or near this container.

Section 8 - First Aid Measures

If inhaled: Remove victim to fresh air. Give artificial respiration if not breathing. Get immediate emergency medical attention. Keep patient warm and at rest.

In case of eye contact: Immediately flush eyes with clean water for at least twenty (20) minutes, lifting the upper and lower eye lids to ensure complete flushing action of the eyeball. Get immediate emergency medical attention. Do not transport victim until the recommended flushing period has been completed, unless eye flushing can be carried out during transport.

In case of skin contact: Immediately flush skin with plenty of clean running water for at least twenty (20) minutes. Remove contaminated clothing and shoes. If irritation persists, get emergency medical attention. Wash and launder clothes before re-use.

In case of ingestion or swallowing: If victim is conscious, dilute stomach contents by giving one or two glasses of water, and induce vomiting by touching the finger to the back of the throat. Never give anything by mouth to an unconscious victim. GET IMMEDIATE EMERGENCY MEDICAL ATTENTION.

Section 9 - Preparation Information

Advance Chemicals Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all inclusive, and the manner and conditions of use may involve other and additional considerations.

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