

TABEX[®]**Material Safety Data Sheet****Section I - Identification****pH DOWN****MANUFACTURER / SUPPLIER:**

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Chemical Name: Sodium bisulfate**Product Use:** To decrease pH of swimming pool water

<u>Hazard Rating</u>	<u>Designation</u>	
4 Extreme	Health	1
3 High	Fire	0
2 Moderate	Reactivity	1
1 Slight	Personal Protection	D
0 None		

Section II - Hazardous Ingredients

<u>Material</u>	<u>% By Weight</u>	<u>CAS Nr</u>	<u>Exposure Limits</u>	<u>LD₅₀ (Oral-Rat)</u>
Sodium bisulfate	90% - 95%	7681-38-1	N/A	2800 mg/Kg
Sodium sulfate	5% - 10%	7757-82-6	N/A	N/A

Section III - Physical Data

Appearance	Solid off-white granules.
Boiling Point	N/A
Freezing Point	N/A
Odour	Odourless
pH (10%)	2 - 4
Specific Gravity (Water = 1)	2.53
Vapour Density (Air = 1)	1.13 – 1.16
Vapor Pressure (mm Hg)	N/A
Evaporation Rate	N/A
Water Solubility	Very soluble
% Volatile	0%
Coefficient water/oil distribution	N/A
Odour Threshold	N/A

Section IV - Fire And Explosion Data

Flash Point (°C, Test Method):	None
Auto-Ignition Temperature:	None
Flammable Limits In Air: (g/l):	LFL: None UFL: None
Extinguishing Media:	Dry Chemical (Sodium Bicarbonate), Foam, CO ₂ , Water
Special Fire Fighting Procedure:	Fight fires from a safe distance. Use water spray to cool containers exposed to fire.
Personal Protective Equipment:	Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.
Conditions of flammability:	N/A
Hazardous combustion products:	Sulphur trioxide
Explosion Data:	N/A
Sensitivity Impact:	N/A
Sensitivity to static discharge:	N/A
Mechanical Impact:	N/A

Section V - Health Hazard Information Of Product

Routes of Exposure and Acute Effects.

Inhalation:	Symptoms may include irritation of nose and throat. Laboured breathing may cause lung oedema.
Skin Contact:	Corrosive.
Skin Absorption:	N/A.
Eye Contact:	May cause burning.
Ingestion:	Corrosive, swallowing may cause burns of nose and throat. See a physician immediately.

Chronic Exposure.

Irritancy of product:	Lung irritation, tracheal bronchitis and corrosion of teeth are possible effects from long-term exposure to dust.
Sensitizing Capacity:	N/A
Mutagenic effect:	N/A
Teratogenic effect:	N/A
Carcinogenic effect:	N/A
Reproductive toxicity:	N/A
Synergistic products:	N/A

Emergency and First Aid Procedure.

Eyes:	In case of contact, immediately flush eyes of plenty of water for at least 15 minutes. Call a physician immediately.
Skin:	In case of contact, remove contaminated clothing and flush skin thoroughly with soap and water. Wash clothing before reusing.
Inhalation:	If inhaled, remove to area of fresh air. If irritation persists, call a physician.
Ingestion:	If swallowed, do not induce vomiting. Call a physician immediately.

Section VI - Reactivity Data

Conditions Contributing to Instability:	This product is stable under normal conditions.
Incompatibility:	Avoid especially contact with moisture, strong alkaline products.
Decomposition Products:	Sulphur dioxide, Sulphur trioxide.
Reactivity:	In contact with alkaline products and humidity.

Section VII - Spill Or Leak Procedures**Steps To Be Taken If Material Is Released Or Spilled**

Cleanup personnel must wear proper protective equipment.
That is rubber gloves, face shield, safety goggles, safety shoes and protective clothing.
Sweep up waste or residue while avoiding dust formation.
Reclaim in an appropriate closed container for possible normal use or disposal.
Large spills can require an aspiration procedure.
Keep out of sewers and water supplies.
Clean up residual material by washing area with water, after neutralizing with an alkaline product.

Waste Disposal Method.

Dispose according to Local, Provincial and Federal by-laws.

Section VIII - Special Protection Information.**Ventilation requirements**

Local ventilation.

Specific Personal Protective Information.

Skin Protection: Chemical resistant gloves and rubber apron to minimize skin contact.
Eye Protection: Chemical splash goggles.
Respiratory protection: If concentrations warrant, MSHA/NIOSH approved respirator with acid gas and dust/mist filter.
Other: Eye wash station and safety shower in area.
Do not wear contact lens when working with this compound.

Section IX - Special Precaution.**Precaution To Be Taken In Handling.**

Avoid inhalation of vapors and dust.
Avoid eye or skin contact. Do not take internally. Wash clothing before reuse.
Practice good personal hygiene.

Proper Storage, Handling and Disposal Requirements.

Store in tightly closed containers in a cool, dry, well-ventilated. area.
Keep away from moisture and incompatible materials (alkaline products).
NO SMOKING in areas of storage, handling or use.

Section X - Transport And Regulatory Information.

TDG DESIGNATION:	Sodium bisulfate.
UN NUMBER:	None
TDG CLASSIFICATION:	Not regulated
WHMIS CLASSIFICATION:	E

Material Safety Data Sheet:

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