

MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL NAME / IDENTIFIER

PH DOWN/PH REDUCER/PH MINUS

WHMIS: E

Manufacturer's Name: CAPO INDUSTRIES LTD
Street Address: 1200 CORPORATE DRIVE
City: BURLINGTON, ONTARIO
Postal Code: L7L 5R6

Emergency Telephone: Canutec (613) 996-6666 (Collect)

Chemical Name: Sodium Bisulphate
Chemical Family: Sodium Salt
Chemical Formula: NA HS04
Trade Name & Synonyms: Not applicable
Molecular Weight: Not applicable
Material Use: Pool water ph reducer

SECTION II HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approx Conc %	C.A.S. N.A. U.N. Number	LD 50 Specify Species & Route (Oral, RAT)	LC 50 Specify Species & Route (Inhal, RAT)
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Sodium Bisulphate	60-100	2800 mg/kg	Not available	
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SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid Solid X

Odour & Appearance: Opaque white beads, acidic odour

Odour Threshold (Ppm): Not applicable

Specific Gravity: 83 lbs/foot³

Vapour Pressure (Mm): Not applicable

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not applicable

Boiling Point (C): Not applicable

Freezing Point (C): 176.7 deg C

Solubility In Water (20c): Soluble

% Volatile (By Weight): Not applicable

Ph: 1.4 (1% solution)

Coefficient Of Water/Oil Distribution: Not applicable

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SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

Flammability: Yes No X
If Yes, Under Which Conditions?: Not applicable
Means Of Extinction: Use appropriate media suitable to extinguish source of fire.
Special Procedures: Wear self contained breathing apparatus when fire fighting.
Flashpoint (Celsius) And Method: Not applicable
Autoignition Temperature (Celsius): Not applicable
Lower Explosion Limit (% By Volume): Not applicable
Upper Explosion Limit (% By Volume): Not applicable
Hazardous Combustion Products: SO₂, SO₃ at temperature above 299 deg C

EXPLOSION DATA

Sensitivity To Mechanical Impact: None **Sensitivity To Static Discharge:** None

SECTION V REACTIVITY DATA

Chemical Stability: Yes No X
If No, Under Which Conditions?: Product is unstable in the presence of moisture. It reacts with water
To form an acidic solution
Incompatibility To Other Substances: Yes X No
If So, Which Ones: Strong alkaline, water, sodium hypochlorite solution and oxidizers
Reactivity And Under What Conditions: Contact with strong alkaline materials such as caustic soda
Hazardous Decomposition Products: If heated above 299 deg c SO₂ AND SO₃ will foam

SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

Route Of Entry:

: Skin Contact X :Skin Absorption : Eye Contact X
: Inhalation Acute :Inhalation Chronic : Ingestion X

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

Skin: Mild irritant
Eye: May cause burns
Inhalation: Dust may cause burns to mucous membranes and respiratory tract.
Ingestion: If swallowed, may cause burns in the mouth, esophagus and stomach

Effects Of Chronic Exposure To Material: Repeated exposure without proper hygiene may cause skin rashes

Other Health Effects: None known

Ld 50 Of Material (Specify Species And Routes): See section II

Lc 50 Of Material (Specify Species And Routes): See section II

Exposure (Limits): Not established

Irritancy Of Material: Skin, eye, nose and throat irritant

Sensitization Of Material: None known

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Synergistic Materials: None known
Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

SECTION VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

Gloves (Specify): Latex or rubber gloves if skin contact is likely
Eye (Specify): Safety glasses/goggles if eye contact is likely
Respiratory (Specify): Wear appropriate dust mask if prolonged use in non-ventilated area is unavoidable
Other (Specify): Impervious clothing if contact is likely
Engineering Controls (e.g. Ventilation, Enclosed Process – Specify): Use in well ventilated area
Leak And Spill Procedure: Sweep up spill, Neutralize with alkaline solution
Waste Disposal: After neutralizing with alkaline solution, dispose in accordance with Federal, Provincial and local regulations
Handling Procedures And Equipment: Avoid skin contact
Storage Requirements: Store in cool, dry area. Keep away from strong alkalines.
Special Shipping Information: **Transportation:** Not regulated (amended October 1994)
Class:
Pkg. Group:
P.I.N./Un:

SECTION VIII FIRST AID MEASURES

Skin: Wash thoroughly with soap and water. If irritation persists, contact a physician
Eye: Flush eyes with plenty of water for 20 minutes. Seek prompt medical attention
Inhalation: Remove person to fresh air. If irritation persists, contact a physician.
Ingestion: Drink 2 or 3 glasses of water followed by milk of magnesia, beaten eggs or vegetable oil. Contact A physician immediately. Do not induce vomiting. If spontaneous vomiting occurs, keep head Below victims knees to prevent breathing in of vomitus

SECTION IX PREPARATION DATE OF M.S.D.S.

Prepared By (Group, Department, Etc.): Plant Chemist **Telephone:** (905) 332-6626
Preparation Date: January 1, 1996
Date Of Latest Revision/Review: March, 30, 2014

Additional Notes Or References:

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