SAFETY DATA SHEET

SECTION 1 MATERIAL NAME / IDENTIFIER

Salt Saver **WHMIS:** D2A

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: Not applicable
Chemical Family: Borates
Chemical Formula: Proprietary Blend
Trade Name & Synonyms: None
Molecular Weight: Not applicable
Material Use: Pool Salt Supplement

SECTION 2 HAZARDS IDENTIFICATION

GHS classification: H302 Acute toxicity, Oral, Category 4
H335 Specific target organ toxicity, Single Exposure, Respiratory tract irritation, Category 3
H401 Hazardous to the aquatic environment, Acute hazard, Category 2

Symbol(s)

Signal Word Warning
Hazard statements Harmful if swallowed. May cause respiratory tract irritation. Toxic to aquatic life.
Precautionary statements Do not ingest. If ingested, do not induce vomiting, drink 2 or 3 glasses of water and seek medical attention. Avoid breathing in dusts/vapours/fumes. If inhaled, remove person to fresh air and seek medical attention. Avoid release into the environment.

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Boric Acid	10043-35-3	15 – 40
Sodium Bisulphate	7681-38-1	1 - 5

SECTION 4 FIRST AID MEASURES

Inhalation: Remove person to fresh air. Administer artificial respiration if person is having difficulty breathing and seek medical attention.

Skin Contact: Wash thoroughly with soap and water. Seek medical attention if redness or irritation develops.

Eye Contact: Flush eyes with copious amounts of water for 20 minutes. Seek medical attention if irritation develops.

Ingestion: Do not attempt to give anything by mouth to an unconscious person. If victim is alert and not convulsing rinse mouth with water and give ½ to 1 glass of water to dilute material. Immediately contact local poison control centre. Vomiting should only be induced on the advice of a poison control centre or physician. If spontaneous vomiting occurs, have victim lean forward with head down to avoid inhaling in of vomitus. Rinse mouth and give more water. Immediately transport victim to an emergency facility.

Note to physicians For Borate ingestion or overexposure: Treat for Alkaline exposure or ingestion. Give vinegar in large amounts or water or diluted orange or lemon juice. Follow with demulcent. Do not use emetics or stomach tube. Assure adequate hydration. After ingestion or absorption into the blood stream of large amounts (15g or more), symptoms may appear after 24 to 72 hours. Borates are readily dissipated through the urine (20% in the first 24 hours). Observation only is required for adult ingestion of less than 6g of product. For ingestion in excess of 6g, maintain adequate kidney function and force fluids. Gastric lavage is recommended for symptomatic patients only. Hem dialysis should be reserved for massive acute ingestion or patients with renal failure. Boron assay of urine or blood is only useful for documenting exposure and should not be used to evaluate severity poisoning or to guide treatment.

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products: Not applicable

Unusual Fire or Explosion Hazards: None known

Sensitivity to Mechanical Impact: None

Rate of Burning: Not applicable

Explosive Power: Not applicable

Sensitivity to Static Discharge: None

Fire Extinguishing Media: Use media suitable to extinguish source of fire.

Instructions to the Fire Fighters: See below

Fire Fighting Protective Equipment: Wear full protective clothing and a self-contained breathing apparatus.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure: Sweep up material and place in clean, dry labelled container for disposal. Do not allow product to enter sewers or waterways. This material is toxic to aquatic life. The product can be toxic to plants.

SECTION 7 HANDLING AND STORAGE

HANDLING

Handling Practices: Avoid prolonged skin contact. Avoid breathing in dust. Wear gloves and safety glasses when handling. Wash hands thoroughly after use.

Ventilation Requirements: Use in a well ventilated area.

STORAGE

Ventilation Requirements: Store in a cool, dry area.

Storage Requirements: Do not store sealed containers at temperatures above 40°C. Avoid moisture contamination.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Engineering Controls: Local exhaust ventilation to keep airborne contaminants below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Skin (Specify): Latex, PVC or rubber gloves if prolonged skin contact is likely.

Eye (Specify): Safety glasses/goggles if eye contact is likely.

Respiratory (Specify): Wear dust mask if prolonged use in non-ventilated area is unavoidable.

Other (Specify): Wear a NIOSH/MSA approved dust mask for concentrations of nuisance dust up to 100 mg/m3. An air supplied respirator of concentrations higher or unknown. Eye wash and shower stations close to work area.

SECTION 9 PHYSICAL DATA FOR MATERIAL

Physical State: **Gas** **Liquid** **Solid** **X**

Odour & Appearance: White powder, odourless

Odour Threshold (ppm): Not applicable

Flammability: **Yes** **No** **X**

If Yes, Under Which Conditions?:

Auto Ignition Temperature (Celsius): Not applicable

Upper Explosion Limit (% By Volume): Not applicable
Lower Explosion Limit (% By Volume): Not applicable
Decomposition Temp (°C) Not available
Specific Gravity: 1.095
Viscosity: Not applicable
Vapour Pressure (mm): Not applicable
Vapour Density (Air-1): Not applicable
Flashpoint (°C) Not applicable
Evaporation Rate Not applicable
Boiling Point (°C): Not applicable
Freezing Point (°C): 200°C
Solubility In Water (20°C): 60% by weight
% Volatile (By Weight) Not applicable
PH: 3.25 (10% solution)
Coefficient Of Water/Oil Distribution: Not applicable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: **Yes** **X** **No**
If No, Under Which Conditions?:
Incompatibility To Other Substances: **Yes** **X** **No**
If So, Which Ones: Elemental zirconium, base metals, alkali metals, reducing agents, and metal hydrides.
Conditions to Avoid: Reacts with strong reducing agents such as metal hydrides or alkali metals to generate flammable and explosive hydrogen gas.
Hazardous Decomposition Products: None known

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation: Dust may cause irritation to throat and nose and respiratory tract.
Skin Contact: Not expected to cause irritation under normal conditions. Skin contact may cause irritation due to abrasive action. May cause defatting, drying and cracking of the skin. May be readily absorbed through broken or damaged skin. Toxic effects may be delayed.
Eye Contact: Eye contact may cause irritation and possible damage due to abrasion.
Ingestion: Ingestion of large amounts may cause nausea, gastrointestinal upset and abdominal pain. May cause diarrhea, circulatory collapse, cyanosis, convulsions, coma, nausea,

vomiting and death.

CHRONIC HEALTH EFFECTS: May lead to irritation and/or sensitivity of the skin.

Other Health Effects: Boric acid may cause cyanosis. Cyanosis is characterized by navy blue, almost black Lips, tongue and mucous membranes with skin colour being slate grey. Further Manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, Respiratory distress and death due to anoxia.

LD 50 of Material (Specify Species and Routes): Boric Acid (40%)**:** 6650 mg/kg, Oral (Rat), >2000 mg/kg, Dermal (Rabbit)
Sodium Bisulphate (5%): 56000 mg/kg, Oral (Rat)

LC 50 of Material (Specify Species and Routes): Boric Acid (40%): >2.0 mg/l, Inhalation (Rat)
Sodium Bisulphate (5%): Not available

Exposure (Limits): Boric Acid ACGIH TLV, Inhalable fraction TWA: 2 mg/m3, 8 h, STEL: 6 mg/m3, 15 min.
Sodium Bisulphate: Not available

Irritancy of Material Skin, eye, nose and throat irritant.

Sensitization of Material None known

Synergistic Materials None known

Carcinogenicity, Mutagenicity None known

Reproductive Effects Boric acid and borates may cause reproductive effects based on laboratory animal studies. Animal studies show that ingestion of large amounts of borates over prolonged periods causes a decrease in sperm production and testicle size in male laboratory animals. No symptoms have been noted in humans.

Teratogenicity: Boric acid and borates may cause teratogenic/embryo toxic effects based on studies on laboratory animals. Animal studies show that ingestion of large amount of borates over prolonged periods cause developmental effects in fetuses of pregnant female animals.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

BORIC ACID (40%): LC50 2750 mg/l, Fish (Oncorhynchus mykiss), 96 h
LC50 132.5mg/l, Daphnia (Daphnia magna), 21 days

Environmental Fate

Biodegradability: Boric acid decomposes in the environment to natural borate.

Bioaccumulative Potential: Not available

Mobility In Soil: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose material in accordance with federal, provincial and local regulations.

Safe Handling of Residues: Flush residues with copious amounts of water.

Disposal of Packaging: Empty containers should be recycled or disposed through an approved waste management facility.

SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

US DOT CLASSIFICATION (49CFR 172.101, 172.102)

Proper shipping name: Not regulated

Class: Not applicable

Packing group: Not applicable

UN: Not applicable

SECTION 15 REGULATORY INFORMATION

CANADA All components of this product are either on the DSL or exempt.

WHMIS: D2A

CPR Compliance: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

USA Not available

INTERNATIONAL Not available

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SECTION 16 OTHER INFORMATION

Prepared By (Group, Department, Etc.): **Quality Control** **Telephone:** **(905) 332-6626**

Preparation Date: **April 6, 2006**
Date Revised: **June 3, 2020**
Additional Notes Or References:

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