

SAFETY DATA SHEET

SECTION 1

MATERIAL NAME / IDENTIFIER

ENERGIZE

WHMIS: D2B

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: Not applicable
Chemical Formula: Mixture
Trade Name & Synonyms: Not applicable
Molecular Weight: Not applicable
Material Use: Spa water treatment chemical

SECTION 2

HAZARDS IDENTIFICATION

GHS classification: H315 Skin corrosion/irritation, Category 2
H319 Serious eye damage/eye irritation, Category 2A
H335 Specific target organ toxicity, Single exposure, Respiratory tract irritation

Label Elements

Symbol(s)



Signal Word

Warning

Hazard statements

Causes skin and serious eye irritation.

Precautionary statements

Avoid skin and eye contact. Wear gloves and safety glasses when handling. Wash hands thoroughly after use. If contact with eyes, flush with copious amounts of water for 15 minutes. Avoid breathing in dusts/fumes/vapours. If inhaled, remove person to fresh air and seek medical attention.

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SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Pentapotassium Bis(Peroxymonosulphate) Bis(Sulphate)	70693-62-8	60 – 100
Dipotassium Peroxodisulphate	7727-21-1	0 – 5
Sodium Carbonate	497-19-8	10 – 30

SECTION 4 FIRST AID MEASURES

Inhalation:	Remove person to fresh air. If difficulty breathing, give artificial respiration and seek medical attention.
Skin Contact:	Wash thoroughly with soap and water.
Eye Contact:	Flush eyes with copious amounts of water and seek medical attention.
Ingestion:	Drink 2 or 3 glasses of water or milk to dilute material. Do not induce vomiting. Contact a physician.
Note to physicians	None

SECTION 5 FIRE – FIGHTING MEASURES

Hazardous Combustion Products:	At elevated temperatures of 100°C may liberate oxides of sulphur and carbon.
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 for extinguishing surrounding fire.
Instructions to the Fire Fighters:	See below
Fire Fighting Protective Equipment:	Wear full protective clothing and a self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedure:	Prevent material from entering drains, sewers, and waterways. Sweep up and place metal waste containers for disposal.
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SECTION 7

HANDLING AND STORAGE

HANDLING

Handling Practices: Avoid contact with skin and eyes. 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 mix directly with other chemicals. Keep containers tightly closed when not in use.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

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

PERSONAL PROTECTIVE EQUIPMENT

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

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

Respiratory (Specify): Wear air-purifying respirator with dust/mist cartridge if in a non-ventilated area.

Other (Specify): Impervious clothing if contact is likely. Eye wash and shower stations are close to work area.

SECTION 9

PHYSICAL DATA FOR MATERIAL

Physical State:	Gas	Liquid	Solid	<u>X</u>
Odour & Appearance:	Opaque, white granular, odourless			
Odour Threshold (ppm):	Not applicable			
Flammability:	Yes	No	<u>X</u>	
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:	Not available			
Viscosity:	Not applicable			
Vapour Pressure (mm):	Not applicable			
Vapour Density (Air-1):	Not applicable			

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Flashpoint (°C)	Not applicable
Evaporation Rate	Not applicable
Boiling Point (°C):	Not available
Freezing Point (°C):	Not available
Solubility In Water (20°C):	Soluble
% Volatile (By Weight)	Not applicable
PH:	6.5 – 7.5 (1% solution)
Coefficient Of Water/Oil Distribution:	Not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability:	Yes	<input checked="" type="checkbox"/>	No
If No, Under Which Conditions?:			
Incompatibility To Other Substances:	Yes	<input checked="" type="checkbox"/>	No
If So, Which Ones:	Heavy metal salts, halogenated compounds, cyanides, aluminum, and sulfamic acid.		
Conditions to Avoid:	Avoid extreme heat.		
Hazardous Decomposition Products:	Oxides of sulphur and carbon.		

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Inhalation:	Dust may cause irritation to respiratory tract.
Skin Contact:	Prolonged skin contact will cause irritation.
Eye Contact:	Eye contact will cause irritation or burns.
Ingestion:	Severe gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH EFFECTS: None known

Other Health Effects: None known

LD 50 of Material (Specify Species and Routes): Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) 500 mg/kg, Oral (Rat), >2000 mg/kg, Dermal (Rabbit)
Dipotassium Peroxodisulphate 802 mg/kg, Oral (Rat), >10000 mg/kg, Dermal (Rabbit)
Sodium Carbonate 4090 mg/kg, Oral (Rat), 2210 mg/kg, Dermal (Mouse).

LC 50 of Material (Specify Species and Routes): Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) >5 mg/l, Inhalation 4 h (Rat)

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Exposure (Limits): Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate), AEL* (Dupont): 1mg/m³, 15 minute TWA, Dipotassium Peroxodisulphate, TLV (ACGIH): 0.1 mg/m³, TWA as persulphate.

Irritancy of Material Eye, skin and respiratory tract irritant.

Sensitization of Material None known

Synergistic Materials None known

Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity: None known

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Pentopotassium Bis(Peroxymonosulphate)Bis(Sulphate) – 96 h LC₅₀ Cyprinodon Variegatus (sheepshead minnow):
1.09 mg/l
- 72 h ERC₅₀ Algae: 1mg/l
- 48 h EC₅₀ Daphnia: 3.5 mg/l

Dipotassium Peroxodisulphate – 48 h LC₅₀ Daphnia Magna (water flea): 92 mg/l

Environmental Fate

Biodegradability: Readily biodegradable

Bioaccumulative Potential: Not available

Mobility In Soil: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

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

Safe Handling of Residues: Flush residues with lots of water.

Disposal of Packaging: Dispose of containers in accordance with federal, provincial and local regulations.

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

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Packing group: Not applicable

UN: Not applicable

SECTION 15 REGULATORY INFORMATION

CANADA

WHMIS: D2B

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

SECTION 16 OTHER INFORMATION

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

Preparation Date: May 28, 2016

Date Revised: December 1, 2018

Additional Notes Or References:

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