

MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL NAME / IDENTIFIER

COLD TUB JUMP

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: Sodium Carbonate
Chemical Family: Sodium Salt
Chemical Formula: Na_2CO_3
Trade Name & Synonyms: Soda ash
Molecular Weight: Not applicable
Material Use: Ph Booster

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 Carbonate	60-100	497-19-8	3160-4090 mg/kg	2300mg/m3, 2hrs
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SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas Liquid Solid X

Odour & Appearance: White , granular solid odourless

Odour Threshold (Ppm): Not applicable

Specific Gravity: 2.532

Vapour Pressure (Mm): Not applicable

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not applicable

Boiling Point (C): Not applicable

Freezing Point (C): Not applicable

Solubility In Water (20c): 17.5% by weight

% Volatile (By Weight) Not applicable

Ph: 11.3 (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 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: Evolves CO₂ above 400 deg C

EXPLOSION DATA

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

SECTION V REACTIVITY DATA

Chemical Stability: Yes X No
If No, Under Which Conditions?: Not applicable
Incompatibility To Other Substances: Yes X No
If So, Which Ones: Acids, Aluminum. D2 O5, Sulphuric Acid, F2 Lithium and 2,4,6-Trinitro Toluene
Reactivity And Under What Conditions: may react with acids causing CO₂ evolution and severe splattering
Hazardous Decomposition Products: Carbon dioxide when burned

SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

Route Of Entry:

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

EFFECTS OF ACUTE EXPOSURE TO MATERIAL

Skin: Skin contact may cause irritation
Eye: Eye contact may cause irritation and burns
Inhalation: Dust may cause irritation to throat and nose, chest tightening and difficulty breathing.
Ingestion: Severe gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects Of Chronic Exposure To Material: May lead to irritation and or sensitivity of the skin.

Other Health Effects: Skin irritation may be aggravated in persons with existing skin lesions. Breathing Of dust may aggravate acute or chronic asthma and other pulmonary diseases.

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

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

Exposure (Limits): None specifically – particulates not otherwise classified
ACGIH – TLV = 10mg/m³ total dust OSHA – TWA =15mg/m³ total dust,
5mg/m³ respirable

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Irritancy Of Material: Skin, eye, nose and throat irritant
Sensitization Of Material: None known
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 dust mask if prolonged use in non-ventilated area is unavoidable
Other (Specify): Wear protective clothing if contact is likely
Engineering Controls (e.g. Ventilation, Enclosed Process – Specify): Use in well ventilated area
Leak And Spill Procedure: Sweep up material for disposal. This product may be neutralized with a Weak acid to ph of 6 to 9
Waste Disposal: Dispose absorbed material at an approved landfill site in accordance with Federal, Provincial and local regulations
Handling Procedures And Equipment: Avoid prolonged skin contact
Storage Requirements: Store in cool, dry area..
Special Shipping Information: **Transportation:** Not regulated
Class:
Pkg. Group:
P.I.N./Un:

SECTION VIII FIRST AID MEASURES

Skin: Wash thoroughly with soap and water.
Eye: Flush eyes with plenty of water for 15minutes. Seek medical attention
Inhalation: Remove person to fresh air. Obtain medical attention. Administer artificial respiration or CPR as Required.
Ingestion: Drink 2 or 3 glasses and/or milk. Contact a physician immediately

Note to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that over exposure to materials other than this Material may have occurred. If burns result from over exposure, treat in the following manner:
Ingestion – Treat asphyxia from glottal edema by maintaining an adequate airway. Treat shock, Maintain normal blood pressure by transfusion and by the administration of 5% dextrose in Saline. If symptoms are severe and perforation of the stomach or esophagus is suspected, give Nothing by mouth until endoscopic examination has been done. Maintain nutrition by giving Carbohydrate or hyperalimentary fluid intravenously. Give prednisolone 2mg/kg/d in Divided doses for 10 days, to reduce progression of fibrocystic and hyaline lung disease. Esophagal stricture may require dilation.

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SECTION IX

PREPARATION DATE OF M.S.D.S.

Prepared By (Group, Department, Etc.): Plant Chemist

Telephone: (905) 332-6626

Preparation Date: May 1, 2013

Date Of Latest Revision/Review:

Additional Notes Or References:

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