MATERIAL SAFETY DATA SHEET

SECTION 1 MATERIAL NAME / IDENTIFIER

EZ CLOR ALKALINITY UP **WHMIS:** Not Regulated

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 Bi Carbonate
Chemical Family: Bi Carbonates
Chemical Formula: NAHC03
Trade Name & Synonyms: Baking Soda
Molecular Weight: 84.0
Material Use: Pool Water Alkalinity 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)
None				

SECTION III PHYSICAL DATA FOR MATERIAL

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

Odour & Appearance: Odourless, opaque, white powder

Odour Threshold (Ppm): Not applicable

Specific Gravity: 2.16

Vapour Pressure (Mm): Not applicable

Vapour Density (Air-1): Not applicable

Evaporation Rate Not applicable

Boiling Point (C): loses C02 at 270 deg C

Freezing Point (C): Not applicable

Solubility In Water (20c): 9.6 g/100g water

% Volatile (By Weight) Not applicable

Ph: 8.50 (1% solution)

Coefficient Of Water/Oil Distribution: Not applicable

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SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

Flammability:	**Yes X No**
If Yes, Under Which Conditions?:	Not applicable
Means Of Extinction:	Use appropriate media to extinguish source of fire
Special Procedures:	Wear self contained breathing apparatus when fire fighting
Flashpoint (Celsius) And Method:	Not applicable
Auto Ignition Temperature (Celsius):	Not applicable
Lower Explosion Limit (% By Volume):	Not applicable
Upper Explosion Limit (% By Volume):	Not applicable
Hazardous Combustion Products:	C0

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 – release C02
Reactivity And Under What Conditions:	Temperature 190 deg C
Hazardous Decomposition Products:	C02 – The resulting dust may irritate eyes, skin and respiratory tract.

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: May cause mild irritation

Eye: Eye contact may cause irritation and redness.

Inhalation: Cough and mild respiratory irritation.

Ingestion: This product may be harmful if swallowed

Effects Of Chronic Exposure To Material Prolonged skin contact-contact dermatitis, Prolonged eye contact-conjunctivitis

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

Ld 50 Of Material (Specify Species And Routes): SEE SECTION 11

Lc 50 Of Material (Specify Species And Routes): SEE SECTION 11

Exposure (Limits): ACGIH – TLV 10 mg/m3 –nuisance dust; OSHA – TWA 15 mg/m3 total dust – 5 mg/m3 respire fraction

Irritancy Of Material: Mild skin and eye 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): None normally required

Eye (Specify): None normally required

Respiratory (Specify): None except when TLV is exceeded. Use dust mask to reduce exposure to appropriate levels.

Other (Specify): None

Engineering Controls (e.g. Ventilation, Enclosed Process – Specify): None under normal circumstances

Leak And Spill Procedure: Sweep up material and dispose.

Waste Disposal: Dispose of waste material at a municipal landfill site should be satisfactory.

Handling Procedures And Equipment: None

Storage Requirements: Do not store near acids. Keep dry.

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 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove patient to fresh air. If not breathing, administer artificial respiration or CPR. If breathing is Difficult or irritation develops, administer oxygen. Get medical attention.

Ingestion: If patient is conscious and alert, give 2 or more glasses of water to drink. If appreciable quantities are Swallowed, induce vomiting by giving 1 tablespoon of syrup of Ipecac. If vomiting has not occurred in 20 minutes, the same dose of syrup Ipecac may be repeated on additional time. Alternately induce vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to and unconscious person. Get medical attention.

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: **September 2, 2008**

Additional Notes Or References:

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