

# MATERIAL SAFETY DATA SHEET

## SECTION 1

## MATERIAL NAME / IDENTIFIER

PH Up

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<sub>2</sub>CO<sub>3</sub>  
Trade Name & Synonyms: Soda Ash  
Molecular Weight: Not applicable  
Material Use: Pool chemical to boost pH

## SECTION 2

## HAZARDS IDENTIFICATION

GHS classification: Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2A

Symbol(s)



Signal Word

Warning

Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.  
P280 Wear protective clothes/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

# MATERIAL SAFETY DATA SHEET

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off all contaminated clothing and wash it before reuse.

## SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
Sodium Carbonate	497-19-8	60 - 100

## SECTION 4 FIRST AID MEASURES

**Inhalation:** Remove person to fresh air. Obtain medical attention. Administer artificial respiration or CPR as required.

**Skin Contact:** Wash thoroughly with soap and water.

**Eye Contact:** Flush eyes with plenty of water for 15 minutes. Seek medical attention.

**Ingestion:** Drink 2 or 3 glasses of milk. Contact a physician immediately.

**Note to physicians** Treat symptomatically. Medical conditions that may be aggravated by exposure to this product include diseases of the skin, eyes and respiratory tract.

## SECTION 5 FIRE – FIGHTING MEASURES

**Hazardous Combustion Products:** None in normal use.

**Unusual Fire or Explosion Hazards:** None

**Sensitivity to Mechanical Impact:** None

**Rate of Burning:** None

**Explosive Power:** None

**Sensitivity to Static Discharge:** None

**Fire Extinguishing Media:** Carbon dioxide, dry chemical, alcohol foam, water fog, dry sand..

**Instructions to the Fire Fighters:** Isolate materials that are not involved in the fire and protect personnel. Use water spray to cool fire exposed containers or structures. Use water to disperse vapours. Spilled material may cause floors and contact surfaces to become slippery.

**Fire Fighting Protective Equipment:** Use self-contained breathing apparatus and protective clothing.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Leak And Spill Procedure:** Neutralize with a weak acid to a pH of 6 to 9. Sweep up material and place in a labeled container for disposal.

# MATERIAL SAFETY DATA SHEET

## SECTION 7

## HANDLING AND STORAGE

### HANDLING

**Handling Practices:**

Use normal industrial hygiene and housekeeping practices. In the presence of moisture, soda ash and lime dusts combine to form corrosive caustic soda which may cause burns.

**Ventilation Requirements:**

Use in a well ventilated area.

**Other Precautions:**

Avoid breathing dusts. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

### STORAGE

**Ventilation Requirements:**

Ventilation should be corrosion proof. Store in a cool, dry area.

**Storage Requirements:**

Keep away from heat, sparks or flames. Keep containers closed. Avoid moisture contamination. Prolonged storage may result in lumping or caking. Product should not be stored in aluminum, lead or tin. Attacks some types of rubber, plastics and coatings. Confirm suitability of any packaging before using.

## SECTION 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

**Engineering Controls:**

Local exhaust ventilation. Ventilation should be corrosion and explosion proof. Make up air should be supplied to balance air that is removed by local exhaust ventilation.

### 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 dust mask if prolonged use in a non-ventilated area is unavoidable.

**Other (Specify):**

Wear protective clothing if contact is likely. Eye wash stations are close to work area.

## SECTION 9

## PHYSICAL DATA FOR MATERIAL

**Physical State:**

Gas                      Liquid                      Solid                      X

**Odour & Appearance:**

White granular solid, odourless

**Odour Threshold (ppm):**

Not applicable

# MATERIAL SAFETY DATA SHEET

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) 400°C

Specific Gravity: 2.532

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): Not applicable

Solubility In Water (20°C): 17.5% by weight

% Volatile (By Weight) Not applicable

PH: 11.3 (1% 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: Acids, lime dust, heat.

Conditions to Avoid: May react with acids causing carbon dioxide evolution and severe splattering. Contact with lime dust in the presence of moisture can produce sodium hydroxide.

Hazardous Decomposition Products: Carbon dioxide when burned.

## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

Inhalation: Dust may cause irritation to throat and nose, and respiratory tract.

# MATERIAL SAFETY DATA SHEET

**Skin Contact:** Skin contact may cause irritation.

**Eye Contact:** Eye contact may cause irritation and burns.

**Ingestion:** Severe gastrointestinal irritation, nausea, vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS:** 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)** 4090 mg/kg, Oral (Rat), >2000 mg/kg,

**LC 50 of Material (Specify Species and Routes)** 2.3 mg/l, Inhalation, 2 h (Rat)

**Exposure (Limits):** Not available

**Irritancy of Material** Skin, eyes, nose and throat irritant.

**Sensitization of Material** None known

**Synergistic Materials** None known

**Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:** None known

## SECTION 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Daphnia Magnia LC50, 96hr: 265-565mg/l

Blue Gill Sunfish LC50, 96hr: 300-320mg/l

Daphnia Magnia EC50, 48hr: 1200mg/l

### Environmental Fate

**Biodegradability:** Not applicable

**Bioaccumulative Potential:** Not available

**Mobility In Soil:** Considerable solubility and mobility. Soil/sediments.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Deactivating Chemicals:** Neutralize with a weak acid to a pH of 6 to 9.

**Waste Disposal:** Dispose absorbed material at an approved landfill site in accordance with Federal, Provincial and local regulations.

**Safe Handling of Residues:** See above

**Disposal of Packaging:** Dispose absorbed material at an approved landfill site in accordance with Federal, Provincial and local regulations.

# MATERIAL SAFETY DATA SHEET

## SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION: Not Regulated

US DOT CLASSIFICATION (49CFR 172.101, 172.102): Not Regulated

## SECTION 15 REGULATORY INFORMATION

WHMIS: D2B,

HPR COMPLIANCE: This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

## SECTION 16 OTHER INFORMATION

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

Preparation Date: January 1, 1996  
Date Revised: December 1, 2016

Additional Notes Or References:

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