

MATERIAL HEALTH & SAFETY DATA SHEET

(Key: > = Greater than; < = Less than)

SECTION 1 - MATERIAL IDENTIFICATION & USE

Material Name: **DRINKING WATER FRESHENER -- Code 641**

Supplier: *Captain* PHAB Ltd.

Address: 613 Neal Drive
Peterborough, Ontario.
K9J 6X7

Emergency Telephone #: 705 748-0436

Chemical Name: Bicarbonate and Carbonate Mixture Molecular Weight:

Chemical Family: Trade Name/Synonyms:

Chemical Formula: Material Use: To improve flavour of drinking water.

SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIAL

<u>Hazardous Ingredients</u>	<u>Approximate Concentration %</u>	<u>C.A.S.N.A. or U.N. Numbers</u>	<u>"Exposure Limits"</u>	<u>LD50 / LC50 Specify Species & Route</u>
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NO HAZARDOUS INGREDIENTS

SECTION 3 - PHYSICAL DATA FOR MATERIAL

Physical State: Solid Specific Gravity: Odour Threshold(ppm): Odour & Appearance: White powder -- No Odor
Vapour Pressure (mm/Hg) n/a Vapour Density (Air=1) n/a Evaporation Rate: n/a Boiling Point (°C): n/a Freezing Point (°C): n/a
Solubility in Water(20°C): Complete % Volatile (by volume): n/a pH: slightly alkaline
Density (g/ml): Coefficient of water/oil distribution:

SECTION 4 - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: NO

Means of Extinction: n/a

Special Procedures: n/a

Flash point(°C) & Method: n/a Upper explosion limit(% by volume): Lower explosion limit (% by volume):

Auto Ignition Temperature(°C): n/a Flammability Classification: Hazardous Combustion Products:
Chemical Sensitivity to Impact: Rate of Burning: Explosion Power: Sensitivity to Static Discharge:

SECTION 5 - REACTIVITY DATA

Chemical Stability : Yes Conditions:

Incompatibility to other substances: Yes Substances: Heavy metals, Acids.

Reactivity and under what conditions: Slowly decomposes in presence of metals. Carbon Dioxide produced.
Acids will react for rapid evolution of carbon dioxide.

Hazardous Decomposition Products: None

SECTION 6 - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:: Skin Contact: Skin Absorption:..... Eye Contact:..X.....
Inhalation Acute:..... Inhalation Chronic:..... Ingestion:.....

Effects of Acute Exposure to Product: Powder will irritate eyes.

Effects of Chronic Exposure to Product:

LD50 of Product (Specify Species & Route) : Sensitization to Product:
LC50 of Product (Specify Species): Exposure limits of Product:
Irritancy of Product: Synergistic materials:

Carcinogenicity:..... Reproductive effects: Teratogenicity:..... Mutagenicity:..

SECTION 7 - PREVENTIVE MEASURES

Personal Protective Equipment: Not required.

Gloves: Respiratory: Eye: Footwear:
Clothing:.....Other:

Engineering Controls:
Leak & Spill Procedure:
Waste Disposal:
Handling Procedures & Equipment:
Storage Requirements: Keep in a cool, dry place. Moisture deteriorates the product.
Special Shipping Information:

SECTION 8 - FIRST AID MEASURES

Skin:
Eyes: Flush with plenty of water. (Mildly irritating)

Inhalation:

Ingestion:

General advice:

SECTION 9 - PREPARATION DATE OF M.S.D.S.

Additional information/Comments: Ingredients are commonly found in baked goods for human consumption.

Sources Used: Ingredient manufacturers.

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