

MICROPROPHY B+ MATERIAL SAFETY DATA SHEET**MATERIAL SAFETY DATA SHEET****SECTION I - PRODUCT IDENTIFICATION**

Company: Danville Materials
3420 Fosteria Way Ste.A-200
San Ramon, CA 94583
Phone: (800) 872-7940
Fax: (925) 973.0764
Date (revised): January 7, 2011
Product/Trade Name: Microprophy B+
Chemical Name: Sodium Bicarbonate, flavored
Synonyms: Baking Soda
Chemical Family: flavored mixture with mostly NaHCO_3
Formula: NaHCO_3

SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES

Components	OSHA PEL	ACGIH TLV	%	CAS Numbers
Flavor blend	None	None	1.0	Blend
Sodium Lauryl Sulfate	N/A	N/A	1.0	151-21-3

SECTION III - PHYSICAL DATA

Boiling Point: N/A
Melting Point: Decomposes at 228 degrees F.
Specific Gravity (water=1): 2.20
Vapor Density (air=1): N/A
Vapor Pressure (mm Hg): N/A
Appearance and Odor: White crystalline powder - spearmint odor/flavor
Solubility in Water: Moderate
Evaporation Rate (butyl acetate=1): N/A
pH in 1% solution: 8.3

SECTION IV - FIRE AND EXPLOSION DATA

Flashpoint: Noncombustible
Flammable Limits: N/A
Extinguishing Media: Water, alcohol foam or dry chemical
Special Firefighting Procedures: If extremely large quantities are involved, significant levels of CO_2 may be generated making necessary the use of self-contained breathing apparatus (CO_2 is an asphyxiant at levels over 5%)
Soda ash, another thermal decomposition product existing at temperatures above 200 degrees F is respiratory, eye, and skin irritant. Avoid skin contact and inhalation of dust.

SECTION V - HEALTH DATA

Carcinogen Status: NTP - Yes
IARC - No*
OSHA Regulated - No*

*This product contains .40-.47% Sodium Saccharin on which an IARC monograph has been published concluding that saccharin cannot be classified as a carcinogen. The NTP "Third Annual Report on Carcinogens" concluded that saccharin can be reasonably anticipated to be carcinogenic.
Primary Route of Entry: Inhalation; ingestion

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Acute Skin Contact: NaHCO_3 is not a skin irritant per 16 CFR 1500.41 nor dermally toxic per DFR 1500.42.
Irritant Dose: Human skin 30mg/3 days
Intermittent: Mild irritant
Acute Eye Contact: NaHCO_3 is not an eye irritant per 16.CFR 1500. eye-rbt 100 mg rms MLD. The flavor ingredient may cause eye irritation.
Acute Ingestion: Non-toxic per 16.CFR 1500.3 ori-inf TDL₀ 1260mg/KG orlrat LD 4-8g/kg. Large doses have produced systemic alkalosis and expansion in intracellular fluid volume with edema.

SECTION VI - REACTIVITY DATA

Conditions to Avoid: Temperatures above 228 degrees F
Incompatibility (materials to avoid): Reacts with acids of form salt, H_2O and CO_2
Hazardous Decomposition or Byproducts: Yields about 1% per hour Sodium Carbonate when temperature is raised to 190 degrees F. Dust may then be irritating to eyes, skin, and respiratory tract. Heating above 228 degrees F may cause dangerous levels of CO_2 gas to be present in the atmosphere.

SECTION VII - ENVIRONMENTAL

Material is Released or Spilled: Scoop up into dry, clean containers.
Waste Disposal Method: Dispose in accordance with local, state and federal regulations.
Other precautions: None known

SECTION VIII - HANDLING, STORAGE, TRANSPORTATION

Ventilation: Local exhaust to meet 10 mg/m³ or less
Respiratory Problems: Dust mask required is levels over 10 mg/m³
Protective Glasses: None
Eye Protection: None
Storage: Do not store near incompatible substances
Transportation: No DOT restrictions

SECTION IX - SPECIAL PRECAUTIONS

None

The data and information given in this Material Safety Data Sheet are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.



Danville
MATERIALS

3420 Fostoria Way Suite A-200 San Ramon, California 94583 USA
800/827-7940 Fax 925/973-0764