

MATERIAL SAFETY DATA SHEET

MSDS NO. : 006

SECTION I — GENERAL INFORMATION

- 1.1 Product Trade Name : Prophy—Jet Prophy Powder—Mint Flavored
- 1.2 Division Name : DENTSPLY Professional
- Address : 1301 Smile Way
- City, State, Zip : York, PA 17404
- 1.3 Emergency Phone No. : Chemtrec 800-424-9300 (USA); 703-527-3887 (International)
- 1.4 Phone No. for Info : 800-989-8826
- 1.5 Date : March, 2002
- 1.6 Formula : >95% NaHCO₃ (Sodium Bicarbonate)
- 1.7 Chemical Family : Na Bicarb
- 1.8 Type/Grade/Class : Food Grade
- 1.9 NRC/EPA Number : CAS 144-55-8
CAS 128-44-9

SECTION II — HAZARDOUS INGREDIENTS

2.1 NIOSH

<u>Number</u>	<u>Chemical Name (Ingredients)</u>	<u>%</u>	<u>TLV</u>	<u>OSHA PEL</u>
	Flavor Blend Containing Sodium Saccharin	≤0.5	1.0	UNK

SECTION III — PHYSICAL PROPERTIES

- 3.1 Boiling Point : N/A
- 3.2 Vapor Pressure : N/A
- 3.3 Vapor Density : N/A
- 3.4 Decomposition Temp : 35° C (95° F)
- 3.5 Melting / Freezing Pt. : 109° C (228° F)
- 3.6 Solubility in Water : 8.6g/100 ml @ 68° F
- 3.7 Appearance and Odor : White crystalline powder: Spearmint odor & flavor
- 3.8 Specific Gravity : 2.2
- 3.9 pH : 8.2
- 3.10 Evaporation Rate : N/A

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

- 4.1 Flash Point (Method Used) : Non-combustible
- 4.2 Extinguishing Media : Water, alcohol, foam or dry chemical
- 4.3 Special Fire Fighting Procedures and Equipment: Self-contained breathing apparatus may be necessary if extremely large quantities are involved.

SECTION V — HEALTH HAZARD DATA

- 5.1 Effects of Acute and Chronic Over Exposure: Large ingested doses have produced systemic alkalosis and expansion in extracellular fluid volume with edema.
- 5.2 Emergency and First Aid Procedure: Contains = 0.5% Sodium Saccharin on which NIP concluded can be reasonably expected to be carcinogenic. A) Skin/Eyes: Flush with large amounts of water and seek immediate medical attention. B) Ingestion: Administer water if person is conscious. Do not induce vomiting. Seek immediate medical attention.

SECTION VI — REACTIVITY DATA

- 6.1 Unstable: Stable: X
- 6.2 Conditions to Avoid (Stability): Avoid raising temp. above 228° F
- 6.3 Incompatibility (Materials to Avoid): Reacts with acids to form salt, water, and carbon dioxide.
- 6.4 Hazardous Decomposition Products: Heating above 228° F may cause dangerous levels of CO₂ gas to be present in the atmosphere. Yields about 1% per hour sodium carbonate when temp. reaches 109° F. Then the dust may become an irritant.
- 6.5 Hazardous Polymerization: May Occur: Will Not Occur: X

SECTION VII — PRECAUTIONS AND SPILL OR LEAK PROCEDURES

- 7.1 Handling and Storage Precautions: Store in tightly sealed containers in dry locations at below 35° C (95° F). Do not store near incompatible substances.
- 7.2 Steps To Be Taken In Case Material Is Released or Spilled: Scoop up dry and place into clean containers.
- 7.3 Waste Disposal Procedures: Dispose in dry landfill in accordance with local state and federal regulations. Empty packages may be discarded as general trash.

SECTION VIII — OCCUPATIONAL PROTECTION MEASURES

- 8.1 Respiratory Protection: Dust mask required if dust level exceeds 10mg / m³
- 8.2 Ventilation: Keep dust levels below 10 mg / m³
- 8.3 Protective Gloves: Not required
- 8.4 Eye Protection: Not required

SECTION IX — TRANSPORTATION

- 9.1 Applicable Regulations: IMOC: () IATA: (X) 49 CFR: ()
Military Air (AFR 71-4): () Tariff 6D: ()
- 9.2 Shipping Name: Propyl—Jet Propyl Powder—Mint Flavored
- 9.3 Hazard Class: Not restricted