

MATERIAL SAFETY DATA SHEET

HARRY J. BOSWORTH COMPANY
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PRODUCT: Prophy Powder
DATE PREPARED: 09/27/10

HAZARDOUS COMPONENTS	
INGREDIENTS 1. Sodium Bicarbonate	PERCENTAGE 1. >95%
COMMON NAMES AND SYNONYMS 1. Bicarbonate of Soda	CAS NUMBER 1. 144-55-8
PEL 1. 15 mg/m³ (T); 5 mg/m³ (R)	UN NUMBER 1. N/A
TLV 1. 10 mg/m³	

REACTIVITY DATA	
STABILITY Stable.	
CONDITIONS TO AVOID Avoid moisture, acids and temperatures over 228°F.	
HAZARDOUS DECOMPOSITION PRODUCTS None; reacts with acids to release carbon dioxide gas and heat.	
HAZARDOUS POLYMERIZATION Will not occur.	
CONDITIONS TO AVOID (POLYMERIZATION) None	

N
F
P
A

HAZARD RATING

4 EXTREME
3 HIGH
2 MODERATE
1 SLIGHT
0 INSIGNIFICANT

Fire

0

Health

1

0

Reactivity

Special

PHYSICAL/CHEMICAL CHARACTERISTICS	
BOILING POINT N/A	MELTING POINT Decomposes
SPECIFIC GRAVITY (Water = 1) 2.20 @ 20°C	VAPOR DENSITY (Air = 1) N/A
VAPOR PRESSURE N/A	EVAPORATION RATE (Butyl Acetate = 1) N/A
APPEARANCE/ODOR White crystalline powder with orange, grape or spearmint odor and flavor.	SOLUBILITY IN WATER 8.6% @ 20°C

FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT None	LIMITS LEL N/A UEL N/A
EXTINGUISHING MEDIA Water, foam, carbon dioxide, or dry chemical	
SPECIAL FIREFIGHTING PROCEDURES Self-contained breathing apparatus may be necessary if extremely large quantities are involved.	
UNUSUAL FIRE AND EXPLOSION HAZARDS None	

HEALTH HAZARD DATA	
CARCINOGENICITY N/D	NTP N/A
IARC N/A	OSHA REGULATED N/A

EFFECTS & HAZARDS OF OVEREXPOSURE (ACUTE & CHRONIC)
EFFECTS & HAZARDS OF EYE CONTACT Continuous contact may cause irritation.
EFFECTS & HAZARDS OF SKIN CONTACT Continuous contact may cause skin irritation.
EFFECTS & HAZARDS OF INHALATION (BREATHING) Heavy dust may irritate nose and throat.
EFFECTS & HAZARDS OF INGESTION (SWALLOWING) May injure mouth, throat, and gastrointestinal tract. Large ingested doses have produced systemic alkalosis and expansion in extracellular fluid volume with edema.
OTHER REGULATORY INFORMATION N/A

CONTROL MEASURES	
RESPIRATORY PROTECTION Use NIOSH/OSHA approved respiratory protection mask.	
VENTILATION	
LOCAL EXHAUST VENTILATION Use as needed.	
SPECIAL VENTILATION Open window if dust is released in environment.	
MECHANICAL (GENERAL) VENTILATION Use as needed.	
OTHER VENTILATION None.	
PROTECTION GLOVES Use as needed.	
EYE PROTECTION Wear chemical goggles if dust is released in environment.	
OTHER PROTECTIVE EQUIPMENT Use as needed.	
WORK & HYGIENIC PRACTICES Wash hands after use and before eating or smoking.	

EMERGENCY & FIRST AID PROCEDURES	
TREATMENT FOR EYE CONTACT Flush with plenty of water. Get medical attention if irritation occurs and persists.	
TREATMENT FOR SKIN CONTACT Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.	
TREATMENT FOR INHALATION (BREATHING) Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.	
TREATMENT FOR INGESTION (SWALLOWING) Drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If any discomfort persists, obtain medical attention.	

PRECAUTIONS FOR SAFE HANDLING & USE	
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Material should be swept up for disposal.	
WASTE DISPOSAL METHOD Landfill in accordance with Local, State, and Federal regulations.	
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE Handle with care. Store in cool, dry place.	
OTHER PRECAUTIONS This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.	

ADDITIONAL INFORMATION	
This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate.	
HEALTH HAZARD INDEX	RATINGS
SEVERE HAZARD	1
SERIOUS HAZARD MODERATE HAZARD	2 3
SLIGHT HAZARD MINIMUM HAZARD	4 5
SHIPPING INFORMATION	
REGULATED IATA N/A	
PROPER SHIPPING NAME N/A	
HAZARD CLASS N/A	
IDENTIFICATION NUMBER N/A	
PACKAGING GROUP N/A	
LABEL N/A	

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