

MATERIAL SAFETY DATA SHEET

HARRY J. BOSWORTH COMPANY
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PRODUCT: Fastray™ Powder
DATE PREPARED: 4/3/14

HAZARDOUS COMPONENTS	
INGREDIENTS 1. Particulates N.O.R. 2. Benzoyl Peroxide 3. Pink Pigments (for pink shade) Blue Pigments (for blue shade) 4. Calcium Carbonate	PERCENTAGE 1. 60-100% 2. < 2% 3. 0.01-0.20% 4. < 40%
COMMON NAMES AND SYNONYMS 1. Nuisance Dust 2. Dibenzoyl Peroxide 3. Cadmium Pigments (pink shade only) 4. Limestone	CAS NUMBER 1. N/E 2. 94-36-0 3. 12626-36-7 4. 1317-65-3
PEL 1. 15 mg/m³ (T), 5 mg/m³ (R) 2. 5 mg/m³ 3. 0.005 mg/m³ 4. 15 mg/m³ (T), 5 mg/m³ (R)	UN NUMBER 1. N/A 2. 3102 3. N/A
TLV 1. 10 mg/m³ (T), 3 mg/m³ (R) 2. 5 mg/m³ 3. 0.05 mg/m³ 4. 10 mg/m³	

REACTIVITY DATA
STABILITY Stable.
CONDITIONS TO AVOID Heating over 240°C.
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, organic acids, aldehydes and alcohols.
HAZARDOUS POLYMERIZATION Will not occur.
CONDITIONS TO AVOID N/A

PHYSICAL/CHEMICAL CHARACTERISTICS	
BOILING POINT N/D	MELTING POINT N/D
SPECIFIC GRAVITY (Water = 1) Approx. 1.82	VAPOR DENSITY (Air = 1) N/D
VAPOR PRESSURE N/D	EVAPORATION RATE (Butyl Acetate = 1) N/D
APPEARANCE/ODOR Fine blue/pink/white powder with faint odor when in bulk.	SOLUBILITY IN WATER Negligible

FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT 304°C (579°F)	LIMITS LEL N/D UEL N/D
EXTINGUISHING MEDIA Water, carbon dioxide, dry chemical	
SPECIAL FIREFIGHTING PROCEDURES Wear self-contained breathing apparatus.	
UNUSUAL FIRE AND EXPLOSION HAZARDS Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear self-contained breathing apparatus.	

HEALTH HAZARD DATA	
CARCINOGENICITY Cadmium is listed as a suspected human carcinogen by IARC and NTP.	NTP See left.
IARC See above.	OSHA REGULATED None known.

EFFECTS & HAZARDS OF OVEREXPOSURE (ACUTE & CHRONIC)
EFFECTS & HAZARDS OF EYE CONTACT May be irritated by gross overexposure.
EFFECTS & HAZARDS OF SKIN CONTACT May be irritated by gross overexposure.
EFFECTS & HAZARDS OF INHALATION (BREATHING) Respiratory track may be irritated by gross overexposure to particulates.
EFFECTS & HAZARDS OF INGESTION (SWALLOWING) No specific intervention is indicated.
OTHER REGULATORY INFORMATION California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause cancer and/or reproductive toxicity.

CONTROL MEASURES
RESPIRATORY PROTECTION Use specific type mask for particulates not otherwise classified.
VENTILATION
LOCAL EXHAUST VENTILATION Use if necessary.
SPECIAL VENTILATION Use if necessary.
MECHANICAL (GENERAL) VENTILATION Use if necessary.
OTHER VENTILATION Open window if necessary.
PROTECTION GLOVES Use if needed.
EYE PROTECTION Safety glasses.
OTHER PROTECTIVE EQUIPMENT N/A.
WORK & HYGIENIC PRACTICES Wash hands before eating and smoking and after use.

EMERGENCY & FIRST AID PROCEDURES
TREATMENT FOR EYE CONTACT Immediately flush eyes with water, contact physician.
TREATMENT FOR SKIN CONTACT Wash skin with soap and water.
TREATMENT FOR INHALATION (BREATHING) Move to fresh air.
TREATMENT FOR INGESTION (SWALLOWING) Rinse mouth out with water.

PRECAUTIONS FOR SAFE HANDLING & USE
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Sweep up with sweeping compound. Avoid dusting.
WASTE DISPOSAL METHOD May be disposed of in landfill or incinerated. Follow Federal, state, and local regulations for disposal.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Handle with care. Store in cool, dry place tightly closed. Keep container closed to prevent water absorption and contamination.
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 4	
IDENTIFICATION NUMBER N/A	
PACKAGING GROUP N/A	
LABEL N/A	

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