

MATERIAL SAFETY DATA SHEET

HARRY J. BOSWORTH COMPANY

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HAZARD RATING	
N	4 - EXTREME
F	3 - HIGH
P	2 - MODERATE
A	1 - SLIGHT
	0 - INSIGNIFICANT

Fire

Health

Reactivity

Special

3

2

0

1

PRODUCT: Glaze and Glaze Solvent

DATE PREPARED: 11/01/00

Hazardous Components	
INGREDIENTS: 1. 2-Butanone 2. Proprietary Resin	PERCENTAGE: 1. N/A 2. N/A
COMMON NAMES AND SYNONYMS: 1. MEK 2. N/A	CAS NUMBER: 1. 78-93-3 2. N/A
PEL: 1. 200 ppm 2. N/A	UN NUMBER: #1993
TLV: 1. 200 ppm 2. N/A	

Physical/Chemical Characteristics	
BOILING POINT/FLASH POINT: 176°F (79.6°C)	pH: -86°C (1-123°F)
SPECIFIC GRAVITY: (H ₂ O=1) 0.95 @ 20°C	VAPOR DENSITY: >1 (Air=1)
VAPOR PRESSURE: 70 mm Hg at 68°F (20°C)	EVAPORATION RATE: >1 (Butyl Acetate =1)
APPEARANCE/ODOR: Clear to slightly yellowish liquid. Acetone-like odor.	SOLUBILITY IN WATER: Very slightly soluble

Reactivity Data
STABILITY: Stable below 70°F
CONDITIONS TO AVOID: Heat, strong oxidizing and reducing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and smoke
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Heat, ignition sources, spark, flame.

Fire and Explosion Hazard Data	
FLASH POINT: 25°F (-4°C) SFCC	LIMITS: LEL: 2.0 vol% UEL: 12.0 vol%
EXTINGUISHING MEDIA: Dry chemical, CO ₂ , water spray, alcohol resistance foam.	
SPECIAL FIREFIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective gear. Use water spray to cool container.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flashback. It can form explosive vapor with air. Container may explode in heat of fire.	

Health Hazard Data	
CARCINOGENICITY: None known of at this time	NTP: N/A
IARC: N/A	OSHA REGULATED: N/A
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: Irritation and burning	
EFFECTS AND HAZARDS OF SKIN CONTACT: Irritation	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): May be poisonous if inhaled	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): May be poisonous if inhaled.	
OTHER REGULATORY INFORMATION: Drowsiness, dizziness, depression.	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Flush eyes with plenty of water for 15 minutes. Seek medical attention immediately.
TREATMENT FOR SKIN CONTACT: Wash affected area with soap and water. Remove and clear contaminated clothing.
TREATMENT FOR INHALATION (BREATHING): Remove to fresh air. If trouble breathing persists, seek medical attention immediately.
TREATMENT FOR INGESTION (SWALLOWING): Seek medical attention immediately. If victim is drowsy or unconscious, do not give anything by mouth. If alert, give water to drink.
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Take up with noncombustible absorbent (vermiculite) and place into container for later disposal.
WASTE DISPOSAL METHOD:
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool dry place away from heat and source of ignition.
OTHER PRECAUTIONS: This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.

Control Measures
RESPIRATORY PROTECTION: Wear self contained breathing apparatus if needed.
Ventilation
LOCAL EXHAUST VENTILATION Use if needed.
SPECIAL VENTILATION: Use if needed.
MECHANICAL (GENERAL) VENTILATION: Use fan to keep from odor if needed
OTHER VENTILATION: Open window if necessary
PROTECTION GLOVES: Use impervious gloves if needed
EYE PROTECTION: Use chemical splash resistant goggles if needed
OTHER PROTECTIVE EQUIPMENT: Use lab cover if needed
WORK AND HYGIENIC PRACTICES: Wash hands before and after use

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:	Rating:
SEVERE HAZARD	1
SERIOUS HAZARD	2
MODERATE HAZARD	③
SLIGHT HAZARD	4
MINIMUM HAZARD	5
Shipping Information	
REGULATED IATA: N/A	
PROPER SHIPPING NAME: Ethyl Methyl Ketone	
HAZARD CLASS: 3	
IDENTIFICATION NUMBER: UN 1193	
PACKAGING GROUP: II	
LABEL: Flammable Liquid	

To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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