

# MATERIAL SAFETY DATA SHEET

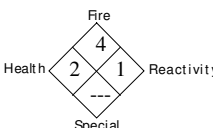
## HARRY J. BOSWORTH COMPANY

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

### PRODUCT: Copaliner - Solvent and Varnish

DATE PREPARED: 06/17/08

Hazardous Components	
INGREDIENTS: 1. Ethyl Ether Anhydrous 2. Resin Mixture	PERCENTAGE: 1. N/A 2. N/A
COMMON NAMES AND SYNONYMS: 1. Ethyl Oxide 2. Resin	CAS NUMBER: 60-29-7
PEL: 1. 400 ppm 2. N/A	UN NUMBER: 1. 1993 2. N/A
TLV: 1. 400 ppm 2. N/A	

Physical/Chemical Characteristics	
BOILING POINT/FLASH POINT: 95° - 100°F (35° - 38°C)	pH: N/A
SPECIFIC GRAVITY : (H <sub>2</sub> O=1): 0.81 - 1.14	VAPOR DENSITY: 2.6
VAPOR PRESSURE: 422 mm (Hg) @ 68°F	EVAPORATION RATE: 37.5
APPEARANCE/ODOR: Colorless to yellow straw colored liquid, sweet odor	SOLUBILITY IN WATER: slightly soluble

Reactivity Data
STABILITY: Stable in closed container below 60°F
CONDITIONS TO AVOID: Keep away from heat, spark and flame.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Keep away from light and oxidizing agents.

Fire and Explosion Hazard Data	
FLASH POINT: -49°F - -40°F(-45° - -40°C) Auto ignition temperature 320°F (160°C)	LIMITS: LEL: 1.9 UEL: 36.0
EXTINGUISHING MEDIA: Dry chemical, foam, or carbon dioxide. Water spray may be used to keep fire-exposed container cool.	
SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor can flow along surfaces to distant ignition sources and flash back. Prevent spreading of vapor.	

Health Hazard Data	
CARCINOGENICITY: N/D	NTP: N/A
IARC: N/A	OSHA REGULATED: Yes
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: May cause irritation, redness and pain. Prolonged exposures to high concentration of vapor can cause eye damage.	
EFFECTS AND HAZARDS OF SKIN CONTACT: Irritating to the skin and mucus membranes by drying effect.	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): Irritant. General anesthesia by inhalation can occur.	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): Irritating to mucus membranes. 1 or 2 may be fatal.	
OTHER REGULATORY INFORMATION:	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Wash eyes with plenty of water for at least 15 minutes. Call a physician.
TREATMENT FOR SKIN CONTACT: Wash skin with plenty of water. If irritation develops, get medical attention.
TREATMENT FOR INHALATION (BREATHING): Call a physician if necessary
TREATMENT FOR INGESTION (SWALLOWING): Seek medical attention immediately.
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  Ventilate area, exit all persons until odor dissipates.
WASTE DISPOSAL METHOD: Abide local, state and federal laws of disposal.
PRECAUTIONS TO BE TAKEN IN HANDLING AND Store in a flammable-proof room or cabinet away from heat and oxidizing material.
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: Use NIOSH-approved respirators.
<b>Ventilation</b>
LOCAL EXHAUST VENTILATION Open windows. Use exhaust fan.
SPECIAL VENTILATION: Exit area.
MECHANICAL (GENERAL) VENTILATION: Vent hoods.
OTHER VENTILATION: N/A
PROTECTION GLOVES: Use latex gloves.
EYE PROTECTION:  Safety glasses/goggles
OTHER PROTECTIVE EQUIPMENT: Lab coat.
WORK AND HYGIENIC PRACTICES: Maintain asepsis while using product.

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	②
MODERATE HAZARD	3
SLIGHT HAZARD	4
MINIMUM HAZARD	5
Shipping Information	
REGULATED IATA:	
N/A	
PROPER SHIPPING NAME:	
Flammable Liquid N.O.S. (Ethyl Ether Anhydrous)	
HAZARD CLASS:	
3	
IDENTIFICATION NUMBER:	
UN 1993	
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.