

# MATERIAL SAFETY DATA SHEET

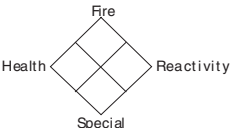
## HARRY J. BOSWORTH COMPANY

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

**PRODUCT:** Tac Adhesive Spray

**DATE PREPARED:** 5/4/04

Hazardous Components		Physical/Chemical Characteristics	
INGREDIENTS: 1.) Amide Resin Solution 2.) Isopropyl Alcohol 3.) Propellant 4.) Toluene	PERCENTAGE: 1.) N/A 2.) N/A 3.) N/A 4.) N/A	BOILING POINT: -44 to 180°F (-42 to 82°C)	Pressure in can at 70°F (21°C) Approximately 50 psig
COMMON NAMES AND SYNONYMS: 1.) Amide Resin Solution 2.) Isopropanol 3.) Liqueified Petroleum Gas 4.) Methyl Benzene	CAS NUMBER: 1.) 108883 2.) 67-63-0 3.) 68476-85-7 4.) 108-88-3	SPECIFIC GRAVITY: (H <sub>2</sub> O=1) 0.84	VAPOR DENSITY: (Air = 1) 2.01
PEL: 1.) N/A 2.) 400 ppm 3.) 1000 ppm 4.) 100 ppm	UN NUMBER: 1.) N/A 2.) 1219 3.) N/A 4.) N/A	VAPOR PRESSURE: 33 mg (Hg)	EVAPORATION RATE: (Butyl Acetate = 1) Greater than 1
TLV: 1.) 200 ppm 2.) 400 ppm 3.) 1000 ppm 4.) 100 ppm		APPEARANCE/ODOR: Amber-clear liquid with characteristic odor. Tacky	SOLUBILITY IN WATER: slightly soluble (adhesive)

Reactivity Data		Fire and Explosion Hazard Data	
STABILITY: stable at room temperature		FLASH POINT: -156°F (-104°) for aerosol propellant	LIMITS: LEL: 1.9 UEL: 9.5
CONDITIONS TO AVOID: Keep away from heat, spark, flame and strong oxidizers.		EXTINGUISHING MEDIA: Dry chemical, foam, or carbon dioxide. Water spray may be used to keep fire-exposed container cool.	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, and toxic gases possible if thermally decomposed		SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus.	
HAZARDOUS POLYMERIZATION: Will not occur.		UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor can flow along surfaces to distant ignition sources and flash back. Prevent spreading of vapor. Spray cans may explode if heated.	
CONDITIONS TO AVOID: Open flames, other ignition sources, strong oxidizing agents.			

Health Hazard Data	
CARCINOGENICITY: California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause birth defects.	NTP: N/A
IARC: N/A	OSHA REGULATED: N/A
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: May cause irritation, defatting or dermatitis	
EFFECTS AND HAZARDS OF SKIN CONTACT: Prolonged or repeated exposure may cause irritation, defatting or dermatitis	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): Inhalation may cause respiratory irritation, dizziness, nausea, possible unconsciousness or asphyxiation.	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): May cause abdominal discomfort, nausea, vomiting, or diarrhea.	
OTHER REGULATORY INFORMATION: California Proposition 65: This product may contain a chemical known to the state of California to cause birth defects.	

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 soap and water. If irritation develops, get medical attention. Remove soaked clothing to avoid prolonged skin contact.
TREATMENT FOR INHALATION (BREATHING): Remove to fresh air. Resuscitate if necessary or use oxygen and see physician.
TREATMENT FOR INGESTION (SWALLOWING): Dilute by swallowing water, milk or eggwhite. Do not induce vomiting, see physician. Do not give fluids to unconscious person
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Absorb material and pick up with nonsparking tools. Place in sealed containers. Ventilate area.
WASTE DISPOSAL METHOD: Abide local, state and federal laws of disposal. Use conventional solvent waste receptacle. Avoid contamination of groundwater.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry place. Keep tightly closed when not in use. Avoid sources of ignition, or heat. Do not store where temperature may exceed 120°F (49°C)
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 in case of high vapor concentration, with organic vapor cartridge.
Ventilation
LOCAL EXHAUST VENTILATION: As needed
SPECIAL VENTILATION: As needed
MECHANICAL (GENERAL) VENTILATION: None
OTHER VENTILATION: Open window if necessary
PROTECTION GLOVES: Use if needed, rubber or plastic gloves.
EYE PROTECTION: Use if needed, safety glasses with side shields
OTHER PROTECTIVE EQUIPMENT: Lab coat
WORK AND HYGIENIC PRACTICES: Wash hands before smoking or eating.

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 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:	
Isopropyl Alcohol	
HAZARD CLASS:	
3	
IDENTIFICATION NUMBER:	
1111 1219	
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.