

===== SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: A/B Adhesive

RECOMMENDED USE: Liquid Adhesive Application

===== SECTION II - HAZARD IDENTIFICATION

DANGER! Flammable liquid. Irritant by inhalation, ingestion, skin contact, eye contact.

ROUTES OF ENTRY

Inhalation, skin absorption, ingestion.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. - headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause mild eye irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This material may cause mild skin irritation. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

===== SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESS.	WT. %
Ethyl Acetate	141-78-6	73.1	22 - 40%
OSHA PEL: 400 ppm			
ACGIH TLV: 400 ppm TWA			
Acetone	67-64-1	182.0	22 - 40%
OSHA PEL: 1000 ppm			
ACGIH TLV: 500 ppm TWA			
* Toluene	108-88-3	22.4	5 - 15%



**===== SECTION VII - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid extremes of heat or cold. Keep product containers closed when not in use. Use and store material in well-ventilated areas away from open flames, heat, hot metal surfaces, and other potential sources of ignition. Bond and ground equipment when transferring from one vessel to another. Store only in approved containers. Personal contact and inhalation should be avoided. Wash hands after use. Do not eat, drink, or smoke in work area.

**===== SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

See Section III for exposure limits of hazardous ingredients.

**RESPIRATORY PROTECTION:**

Use approved NIOSH respiratory protection if TLV is exceeded or if overexposure is likely.

**VENTILATION:**

Mechanical ventilation.

**PROTECTIVE GLOVES:**

Impermeable gloves.

**EYE PROTECTION:**

Wear safety glasses or goggles to protect against exposure.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

May use impermeable apron as needed, eye washes, and safety showers.

**===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Clear liquid.

pH: Not available.

MELT/FREEZE POINT: No data.

FLASH POINT(°F): -4

FLAMMABILITY (SOLIDS)N/A.

VAPOR DENSITY: Heavier than air.

VAPOR PRESSURE: Refer to Section III for vapor pressure values.

SPECIFIC GRAVITY: .9284

SOLUBILITY IN WATER: Insoluble.

PARTITION COEFFICIENT (n-octanol/water): No data.

AUTO-IGNITION TEMP.(°F): No data.

DECOMPOSITION TEMP. (°F): No data.

VOLATILE (WT.%): 65.8245%

ODOR: Solvent odor.

ODOR THRESHOLD: Not available.

BOILING POINT(°F): 133

EVAPORATION RATE: Faster than nBuAc.

LOWER FLAM. LIMIT: 1.00

UPPER FLAM. LIMIT: 12.80

WEIGHT PER GAL.: 7.7302 lb/gal

VOC CONTENT: 354 g/l

(STANDARD CALCULATION METHOD)

VOC CONTENT LESS WATER & EXEMPT COMPOUNDS: 525 g/l

**===== SECTION X - STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**CONDITIONS TO AVOID:**

Avoid extremes of heat or cold.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Incompatible with alkali metals, halogens, and strong acids or bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION:  
Will not occur.

**===== SECTION XI - TOXICOLOGICAL INFORMATION**

See Section II for additional information regarding health risks.

CARCINOGENICITY:   NTP CARCINOGEN: No.  
                          IARC MONOGRAPHS: No.  
                          OSHA REGULATED: No.

REPRODUCTIVE TOXICITY: No data.  
MUTAGENICITY: No data.  
STOT-single exposure: No data.  
STOT-repeated exposure: No data.  
ASPIRATION HAZARD: No data.

METHYLENE CHLORIDE?: Methylene chloride is not present in this product.

**===== SECTION XII - ECOLOGICAL INFORMATION**

AQUATIC TOXICITY: ACUTE AND PROLONGED TOXICITY TO FISH: No data.  
                          ACUTE TOXICITY TO AQUATIC INVERTEBRATES: No data.  
                          ENVIRONMENTAL FATE AND PATHWAYS: No data.

**===== SECTION XIII - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**===== SECTION XIV - TRANSPORTATION INFORMATION**

NOTE: The assignment of Proper Shipping Name is in part a function of the size of the product container and the transport mode. For example, the Proper Shipping Name for a bulk container can differ significantly from the Proper Shipping Name for the same product packaged in a non-bulk container. This can also be true for products shipped via different modes of transportation (i.e. ground, air, ocean). The descriptions provided here are intended to provide some guidance. However, these descriptions may not apply to your package size or mode of shipment.

The U.S. Code of Federal Regulations, 49 CFR - Transportation, regulations, and the policies established by some transporters, require that the shipper properly classify and assign a Proper Shipping Name, and label, mark and package the material properly. Therefore, the user of this information is cautioned to consult with applicable regulations, and with qualified advisors prior to the repackaging and/or reshipment of this or any other product which contains this product.

SMALL QUANTITY (1 gallon or less):  
ORM-D; CONSUMER COMMODITY

DOT (ROAD, RAIL, WATER):  
PROPER SHIPPING NAME: ADHESIVES; UN1133; PG II; CLASS 3

IMDG (ROAD, RAIL, WATER):  
PROPER SHIPPING NAME: ADHESIVES; UN1133; PG II; CLASS 3

===== **SECTION XV - REGULATORY INFORMATION**=====

NFPA CODES: H F R P  
              1 3 0 B

CALIFORNIA PROPOSITION 65

WARNING! This product contains the following substance(s) known to the state of California to cause birth defects or other reproductive harm: TOLUENE;

===== **SECTION XVI - OTHER INFORMATION**=====

The information contained herein is based on the data available to us and is believed to be correct. However, Professional Hair Labs makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Professional Hair Labs assumes no responsibility for injury from the use of the product described herein.

Other information

n.a. = not applicable n.s. = not subject to

A/B Adhesive has been developed for use as a pressure sensitive adhesive for bonding Hair Replacement Systems to skin etc. If A/B Adhesive is to be used for another process, the user should verify, by means of tests etc, that the product is suitable for the intended application.

The above information describes exclusively the safety requirements for the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. The delivery specification is to be found in the respective product leaflet.

The information contained in this sheet does not constitute a hazard assessment, and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation. Our data and suggestions are based on information which we believe to be reliable. Users should verify by tests that our product as well as suggested methods are suitable with the product / materials being used in their application. Since specific use, materials and handling are not controlled by us, our warranty is limited to the replacement of any defective product supplied by us. Full technical support is available from our trained sales staff.