

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Super Bonding Agent
 Product Description: Copolymer resin solution in combustible solvent which evaporated leaving a protective coating.

Distributor: ProTech Professional Products, Inc.
 Address: 2800 N.W. Commerce Park Dr., #10, Boynton Beach, FL 33428
 For information call: 1-800-872-8888, outside US & Canada call 1-561-493-9818

Signature and Date (optional):

SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENT (S)	%	TLV (UNITS)
Acrylic copolymer		NON HAZARDOUS
Residual monomer		1.0 max
Propylene glycol methyl ether acetate (PGMEA)		69 to 71

SECTION III - PHYSICAL DATA

Boiling Point: Deg. C. / mm Hg: 141 / Specific Gravity (H₂O=1): 1.026
 Vapor Pressure: mm Hg AT Deg. C. Percent Volatile W/W%: 71-73%
 Vapor Density (AIR=1): > 1 Evaporation Rate (BuAc =1): 1
 Solubility in Water: Moderate
 Appearance and Odor: Clear, colorless liquid; fruity odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point, Tag Closed, Deg. C.: 43 Flammable Limit, Air Vol% Lower: 1.5
 Autoignition Temperature, Deg. C.: Upper: 7.0
 Extinguisher Method: "Alcohol" Foam; CO₂; dry chemicals; water spray.
 Special Fire Fighting Procedures:
 Wear self-contained breathing apparatus. Use water spray to cool containers.
 Unusual Fire and Explosion Hazards:

1

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):
 Use in well ventilated area. Respiratory mask is NOT required, but if used, should be type for organic vapors.
 Ventilation:
 Local exhaust : Explosion Proof
 Mechanical : Acceptable
 Special : None known
 Protective Gloves:
 Impervious rubber or plastic
 Eye Protection:
 Chemical splash goggles (ANSI Z-87.1 or approved eq)
 Other protective clothing or equipment:
 As required by your company
 Work/Hygienic Practices:

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing:
 Limit storage of combustible material to approved areas. Ground all containers when transferring material.
 Other Precautions:

3

(CONTINUED)

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV) : For monomeric MMA :

Effects of Over-Exposure:

Inhalation: Solvent vapor can cause irritation of the nose, throat and lungs
 Eyes: Moderately irritating
 Skin: Irritating to skin upon repeated prolonged contact. Liquid substance can be absorbed through intact skin in harmful amounts.
 Ingestion:
 Burn:

Medical Conditions Aggravated by Exposure:

Repeated overexposure to PGMEA can cause kidney damage.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped. See physician.
 Eyes: Flush eyes with large amount of water for at least 15 minutes. See physician if irritation persists.
 Skin: Wash affected areas with soap and water.
 Ingestion:
 Burn:

Carcinogenicity NTP? IARC Monographs? OSHA Regulated?

SECTION VI - REACTIVITY DATA

Stability: UNSTABLE: STABLE: X
 Conditions to Avoid: NA

Incompatibility (Materials to Avoid):

Hazardous Decomposition Products:

Hazardous Polymerization: MAY OCCUR: WILL NOT OCCUR: X
 Conditions to Avoid: NA

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
 Eliminate all sources of ignition. Contain spill; if container is damaged, transfer to closed lined metal, glass or plastic container. Use absorbent material to collect and contain for salvage or disposal.
 Waste Disposal Method:
 Review all local, state and federal regulations concerning health and pollution to determine approved disposal procedures.

2

DEFINITIONS

These definitions are intended for use with the Material Safety Data Sheets supplied by Pro-Tech, Inc.

SECTION I - PRODUCT IDENTIFICATION

CHEMICAL NAME : General or generic identification.
 PRODUCT CODE : The sales code for the product which should be used in all references to the product.

SECTION II - HAZARDOUS COMPONENTS

A hazardous ingredient is one which meets one or more of the following criteria :

- Listed in the annual registry of toxic effects of chemical substances, or is known to be toxic within the parameters of that registry.
- Has an OSHA established, 8 hr. time-weighted average permissible exposure limit (PEL), or acceptable ceiling (C), or an American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV), and by nature of the product or its known use, it is likely to become airborne.
- It contributes to one or more of the following hazards of the product :
 - Flashpoint below 93 deg. C (CC), or subject to spontaneous heating or decomposition.
 - Causes skin burns. (DOT)
 - Strong oxidizing agent. (DOT)
 - Subject to hazardous polymerization.

Each ingredient meeting one or more of the above criteria is listed in section II if present at a level at least greater than one percent. Ingredients which are claimed to be carcinogens, teratogens, mutagens, or causative agents of other reproductive disorders are listed if known or believed to be present, provided that the data supporting such claims is considered valid.

Each hazardous ingredient is listed by chemical, generic or proprietary name. Its level in the product is expressed as 1% or less, 1-10%, 10-30%, 30-60% or greater than 60% or by other means.

SECTION III - PHYSICAL DATA

INITIAL BOILING POINT : If liquid at 20 Deg. C. and is given in Deg. C. at 760 mm of Hg.
 VAPOR PRESSURE : If liquid at 20 Deg. C. or if sublimes.
 SPECIFIC GRAVITY : If not known, it is indicated as <1, =1, or >1.
 PERCENT VOLATILES : Percent of material with initial boiling point below 220 Deg. C.
 EVAPORATION RATE : Indicated with reference to Butyl Acetate, unless stated.

4

DEFINITIONS (CONTINUED)

SECTION IV - PRODUCT IDENTIFICATION

FLASH POINT : Closed cup, TAG
LOWER EXPLOSION LIMIT : Indicated component with lowest value.

HAZARDOUS DECOMPOSITION PRODUCTS : Known hazardous products resulting from heating, burning, etc., or reactive materials which may arise from heating, burning, etc.

SPECIAL FIREFIGHTING PROCEDURES : Indicates equipment to protect firemen from toxic procedures of combustion or if water is not to be used.

UNUSUAL FIRE AND EXPLOSION HAZARDS : Hazards not covered by other sections of this report are shown here.

SECTION V - HEALTH HAZARD DATA

Recipients of this data sheet should consult the OSHA safety and health standards (29 CFR 1910) particularly sub-part G - occupational health and environmental control and sub-part I - personal protective equipment, for general guidance on control of potential occupational health hazards.

PERMISSIBLE EXPOSURE LEVEL : OSHA established PEL - If none available, adopted value.

EFFECTS OF OVEREXPOSURE : Given in general terms; local and systemic effects to the eyes, skin, if material is inhaled, unless not applicable due to physical form of product.

ABBREVIATIONS USED IN MSDS

NA = Not Applicable
NE = Not Established
NR = Not Required

NOTICE

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Pro-Tech, Inc. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request since actual use by others is beyond our control, no warranty, express or implied, is made by Pro-Tech, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor does Pro-Tech, Inc. assume any liability arising out of use by others of the product referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material or in any process.