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MATERIAL SAFETY DATA SHEET

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Supercedes All Previous Publications

Page 1 of 2

SECTION I PRODUCT INFORMATION

PRODUCT NAME AND SYNONYMS: CPA BONDING ADHESIVE

CAS NUMBER: MIXTURE

|                           |   |
|---------------------------|---|
| Health                    | 2 |
| Flammability              | 3 |
| Reactivity                | 1 |
| Personal Protection Index | B |

SECTION II HAZARDOUS INFORMATION

| HAZARDOUS INGREDIENT | CAS NUMBER | PERCENT | TSCA |
|----------------------|------------|---------|------|
| METHYL ETHYL KETONE  | 78-93-3    | 45-70   | Y    |
| TOLUENE              | 108-88-3   | 15-40   | Y    |

SECTION III PHYSICAL DATA

|                                |                             |                               |               |
|--------------------------------|-----------------------------|-------------------------------|---------------|
| <b>Appearance &amp; Color:</b> | Amber                       | <b>% Volatile Volume:</b>     | Not Available |
| <b>Boiling Range:</b>          | 175. °F—232. °F             | <b>Specific Gravity:</b>      | 0.87285       |
| <b>Evaporation Rate:</b>       | Faster than n-Butyl Acetate | <b>Weight/Volume Measure:</b> | 7.2649        |
| <b>% Volatile Weight:</b>      | 75. %                       | <b>Max. VOC:</b>              | 652.7 g/L     |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

**Flammability Class:** IB

**Flashpoint Range:** 21. °F  
Tag Open Cup

**Explosive Range:** 1.2%  
10.0%

**Extinguishing Media:** Foam, dry chemical, carbon dioxide, water spray or fog.

**Special Fire Fighting Procedures:** Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts used.

**Unusual Fire And Explosion Hazards:** Extremely flammable. Vapors may ignite and/or cause flash fires. Eliminate sources of ignition. No smoking. Use adequate cross-ventilation sufficient to remove odor of solvent and vapors. Electrically ground all containers during transfer.

SECTION V HEALTH HAZARD DATA

**PERMISSIBLE EXPOSURE LEVEL:**  
See Section VIII

**EFFECTS OF OVEREXPOSURE:**  
**INGESTION:** Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

**INHALATION:** May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.  
**EYES:** May cause severe eye irritation and corneal damage.  
**SKIN:** May cause dermatitis. May cause defatting and irritation of the skin.

**FIRST AID:**

**SKIN:** Wash with soap and water for 15 minutes. If irritation persists, contact a physician.

**EYE:** Flush with warm water for 15 minutes and seek immediate medical attention.

**INHALATION:** Move victim to fresh air. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. Seek immediate medical attention.

=====SECTION VI REACTIVITY DATA=====

Stability: This product is stable.  
Hazardous Polymerization: Hazardous polymerization will not occur.

IMCOMPATIBILITY: Strong oxidizing agents, strong acids and bases.  
CONDITIONS TO AVOID: Fire, sparks, static electricity.  
HAZARDOUS DECOMPOSITON PRODUCTS: Carbon monoxide, carbon dioxide.

=====SECTION VII SPILL OR LEAK PROCEDURES=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks).  
Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal,  
or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for  
disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.  
WASTE DISPOSTAL METHOD:  
Dispose in accordance with federal, state and local regulations.

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

| Occupational Exposure Limits: | ACGIH TLV  | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL   |
|-------------------------------|------------|-------------|------------|-----------|------------|
| METHYL ETHYL KETONE           | 200.00 PPM | N/est       | 300.00 PPM | N/est     | 200.00 PPM |
| TOLUENE                       | 50.00 PPM  | N/est       | N/est      | N/est     | 200.00 PPM |

RESPIRATORY PROTECTION:  
If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of  
proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION:  
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL.

PROTECTIVE GLOVES:  
Chemical resistant gloves.

EYE PROTECTION:  
Safety glasses. Face shield as necessary if spraying.

OTHER PROTECTIVE EQUIPMENT:  
Barrier cream for sensitive skin.

=====SECTION IX SPECIAL PRECAUTIONS=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
Keep container closed when not in use. Store at 60-90 degrees F and out of the sun. Use adequate ventilation to avoid breathing  
vapors when cover is removed. Ground all equipment when handling flammable solvent borne materials.

OTHER PRECAUTIONS:  
Containers may be hazardous when empty. Never use welding or cutting torch on or near drum (even when empty).

=====SECTION X ADDITIONAL REGULATORY INFORMATION=====

SARA TITLE III SECTION 313:  
This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency  
Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

| Ingredient Name     | CAS Number | Percent |
|---------------------|------------|---------|
| METHYL ETHYL KETONE | 78-93-3    | 45-70   |
| TOLUENE             | 108-88-3   | 15-40   |
| PROP 65 (TERATOGEN) |            |         |

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

| Ingredient Name | CAS Number | Percent |
|-----------------|------------|---------|
| TOLUENE         | 108-88-3   | 15-40   |

=====SECTION XI PREPARATION INFORMATION=====

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the  
conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages  
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