

Local Phone: 203-575-9220

MATERIAL SAFETY DATA SHEET

Business Hours: 8 am - 5 pm

Toll Free: 1-800-537-7663

2001 INC.
P.O. BOX 2557 WATERBURY, CT 06723-2557
325 THOMASTON AVE.
WATERBURY, CT 06702

Emergency Telephone
1-800-255-3924

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Supersedes All Previous Publications

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SECTION I PRODUCT INFORMATION

PRODUCT NAME AND SYNONYMS: PVC BONDING ADHESIVE

CAS NUMBER: MIXTURE

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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

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

SECTION IV FIRE AND EXPLOSION HAZARD DATA

<u>Flammability Class:</u>	IB
<u>Flashpoint Range:</u>	21. °F Tag Open Cup
<u>Explosive Range:</u>	1.2% 10.0%
<u>Extinguishing Media:</u>	Foam, dry chemical, carbon dioxide, water spray or fog.
<u>Special Fire Fighting Procedures:</u>	Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts used.
<u>Unusual Fire And Explosion Hazards:</u>	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
incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws
and regulations.