



## SAFETY DATA SHEET

Product Name: MA-1

Revision Date: 1/1/15

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### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: MA-1

Company Identification: U.S. Adhesives Company  
1735 W. Carroll Avenue  
Chicago, IL 60612

Telephone/Fax: (312) 829-7438 (312) 829-9733

Emergency Phone: Contact local poison control center  
CHEMTREC (24 Hour): (800) 424-9300  
CHEMTREC (International): (703) 527-3887

Product Use: Mastic Adhesive

### SECTION 2 – HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW

Appearance: Paste  
Color: White  
Odor: Solvent

WARNING: FLAMMABLE  
HARMFUL IF SWALLOWED OR INHALED  
MAY CAUSE EYE, SKIN OR RESPIRATORY TRACT IRRITATION.

#### POTENTIAL HEALTH EFFECTS

Eye contact: Direct contact symptoms can include significant irritation, redness and tearing.

Skin contact: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis in sensitive persons.

Inhalation: Overexposure to vapors may cause dizziness, headaches and respiratory tract irritation. People with a history of chemical sensitivity should be advised this product contains petroleum solvents. Reports has associated prolonged and repeated overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately inhaling concentrated fumes may be harmful or fatal.

Ingestion: If swallowed, may cause irritation of the gastrointestinal tract, nausea, vomiting and diarrhea.

#### RELEVANT ROUTES OF EXPOSURE:

Skin, Inhalation.

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### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent</u>
Limestone	1317-65-3	10-35
t-Butyl Acetate	540-88-5	2-20
PCBTF	98-56-6	2-20
Aromatic Petroleum Distillates	64742-94-6	2-4
Quartz (SiO <sub>2</sub> )*	14808-60-7	0.1-1.75
Titanium Dioxide	13463-67-7	0-9
Trimethylbenzenes**	95-63-6	0.4-0.6
Xylenes**	1330-20-7	0-0.4
Ethylbenzene**	100-41-4	0-0.4

\*natural occurring minor constituent of 1317-65-3. \*\*may be constituents of 64742-94-6.

Additional ingredients are considered non-hazardous. The main hazard of Titanium Dioxide and limestone (& Quartz) is dust inhalation. Because of incorporation into sealant, exposure by inhalation is unlikely.

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### SECTION 4 – FIRST- AID MEASURES

Eye contact: Flush with copious amounts of water. Seek medical attention if irritation persists.  
Skin contact: Wash thoroughly with soap and water. Seek medical attention if irritation persists.  
Ingestion: Call a physician immediately. Do not induce vomiting without medical advice.  
Inhalation: Move to fresh air. If breathing is difficult, give oxygen.

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### SECTION 5 – FIRE-FIGHTING MEASURES

General: Caution: Flammable vapors. Vapors are heavier than air and may travel to distant ignition sources. Keep containers closed. Use with adequate ventilation.  
Flash Point: Product is a solid. Burn rate unknown (TBAC solvent has a flash point of 40°F (4.4°C). It is a flammable liquid as defined under SARA Title III, section 311/312 hazard category but is not subject to the reporting requirements of SARA Title III, section 313. PCBTF solvent exhibits a flash point of 109°F (42.8°C), but is a non-regulated material under the DPT Hazardous Material Regulations and the IMDG Code because it does not sustain combustion).  
Auto ignition: N/A LEL: N/A UEL: N/A  
Extinguishing media: Carbon Dioxide, Dry Chemical, Foam, Water, Fog or Spray.  
Specific hazards: None Known.  
Special fire fighting procedures: During emergency conditions, over exposure to combustion products such as smoke and carbon monoxide may cause a health hazard.  
Under fire emergency conditions, wear self contained breathing apparatus and full protective clothing.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL: Ventilate area. Keep upwind of spill.  
CLEAN-UP METHODS: Remove all sources of ignition Cover material in inert absorbent and place into a closed container. Use personal protection recommended in Section 8 as required to maintain exposure below application exposure limit Restrict area access to necessary personnel.

**SECTION 7 – HANDLING AND STORAGE**

Store in a cool dry area. Store away from sources of ignition. Do not heat or pressurize containers. Use only in well ventilated areas. When handling uncontained material, use protective equipment described in Section 8 to maintain exposure below the application exposure limit. Keep out of reach of children, Do not reuse empty containers.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<u>CHEMICAL</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>AIH WEEL</u>
Limestone	10/mg/m3 TWA total dust	5 mg/m3 TWA respirable fraction 15 mg/m3 TWA total dust	none
t-Butyl Acetate	200 ppm TWA	950 mg/m3	none
PCBTF	none	none	none
Aromatic Petroleum Distillates	100 ppm TWA	100 ppm TWA	none
Quartz (SiO2)*	0.025 mg/m3 TWA respirable fraction	.01 ,g/m3 TWA respirable fraction 0.3 mg/m3 TWA total dust	none
Titanium Dioxide	10 mg/m3 TWA	15mg/m3 TWA total dust	none
Trimethylbenzenes**	25 mg/m3 TWA	25 mg/m3 TWA	none
Xylenes**	100 ppm TWA	100 ppm TWA	none
Ethylbenzene**	20 ppm TWA	100 ppm TWA	none

Engineering controls: Local exhaust ventilatin is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Personal protective equipment  
 Respiratory protection: Use a NIOSH approved air purifying respirator if the potential to exceed established limits exist. Avoid concentrating vapors in any closed or sheltered area.  
 Skin protection: Use impermeable gloves and protective clothing as necessary to protect skin contact.  
 Eye protection: Safety glasses with side shields.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Solid Paste
Appearance/Color:	WHITE
Odor:	Solvent
pH Value:	Not available
Specific Gravity:	1.2 (20°C)
Solubility:	Not available
Boiling Point/Range:	Not available
Vapor Pressure:	Not available
VOC (w/w%):	<4%

## SECTION 10 – STABILITY AND REACTIVITY

Stability:	Thermally stable when stored and used as directed. Hazardous polymerization will not occur.
Conditions to avoid:	Avoid high temperatures and ignition sources.
Incompatibility:	None known. It is prudent to avoid strong oxidizing agents with carbon based systems.
Hazardous reactions	None known. Will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<u>CHEMICAL</u>	<u>NTP Carcinogen</u>	<u>IARC Carcinogen</u>	<u>OSHA Carcinogen</u>
Limestone	No	No	No
t-Butyl Acetate	No	No	No
PCBTF	No	No	No
Aromatic Petroleum Distillates	No	No	No
Quartz (SiO2)*	Known human	Group 1	No
Titanium Dioxide	No	Group 2B	No
Trimethylbenzenes**	No	No	No
Xylenes**	No	No	No
Ethylbenzene**	No	Group 2B	No

\*naturally occurring constituent of limestone \*\*may be low level constituents of petroleum distillates

<u>CHEMICAL</u>	<u>Health Effects/Target Organs</u>
Limestone	Nuisance dust
t-Butyl Acetate	Irritant, Central Nervous System
PCBTF	Adrenals, Blood, CNS, Immune system, Irritant, Kidney, Liver, Lung, Skin, Thyroid
Aromatic Petroleum Distillates	Irritant, Central Nervous System
Quartz (SiO2)*	Immune system, Lung, Some evidence of carcinogenicity
Titanium Dioxide	Irritant, Respiratory, Some evidence of carcinogenicity
Trimethylbenzenes**	Irritant, Central Nervous System
Xylenes**	Irritant, Central Nervous System
Ethylbenzene**	Irritant, Central Nervous System

Sensitization:	None known.
Chronic:	Possible skin and eye irritant
Carcinogenicity:	NTP: No, IARC: No, OSHA: No
Mutagenicity:	None known.
Reproductive toxicity:	None known.
Acute Toxicity:	None known.

## SECTION 12 – ECOLOGICAL INFORMATION

No data available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Disposal of this product must comply with all applicable federal, state and local regulations.

### CONTAINER DISPOSAL:

Disposal of this container should comply with all applicable federal, state and local regulations

**SECTION 14 – TRANSPORT INFORMATION**

US Ground (DOT)

Flammability Classification: OSHA : Class IB  
DOT: 173.1509c)"consumer commodity", Class ORM-D Material  
173.121, Class 3(b) E 173.150

DOT Hazardous Substances &amp; Reportable Quantities: Xylene, Ethylbenzene

Proper Shipping name: Adhesives  
Hazard Class: 3  
Identification number: III

Canada (TDG)

Proper Shipping name: Adhesives  
Hazard Class: 3  
Identification number: UN II33  
Packing group: III

International or Air shipments in non-bulk containers. 172.101 Flammable Liquid, n.o.s. UN1993

**SECTION 15 – REGULATORY INFORMATION**

US Regulatory Information:

All components comprising this product are listed on the TSCA 8(b) inventory,

TSCA Exort notificaiotn 12(b) list: solvent (CAS#98-56-6)

CERCLA/SARA Section 302 EHS: none above reporting limits

CERCLA/SARA Section 311/312 EHS: Immediate health, delayed helath, fire

CERCLA/SARA Section 313 EHS: Xylenes (CAS#1330-20-7), Ethylbenzene (CAS#100-41-4),  
Trimethylbenzene (95-63-6)

Proposition 65: This product contains a chemical known to the state of  
California to cause cancer, birth defects or other  
reproductive harm.

Canada Regulatory Information:

CEPA DSL/NDSL Status: All components comprising this product are listed on the  
Candiaina DSL.

WHMIS hazard Class: B.2, D.2a. D.2b

**SECTION 16 – OTHER INFORMATION**

HMIS Hazard Rating: Health: 2 Flammability: 3 Reactivity: 0

**DISCLAIMER:**

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider this data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment. U.S. Adhesives Company makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.

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