



## Material Safety Data Sheet: RMA 3500

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CHEMTRAC EMERGENCY #: 1-800-424-9300 1-703-527-3887  
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### 1. Chemical Product and Company Information

Rating		Hazard	
Product ID: RMA 3500		HMIS	
NFPA			
Generic Description: Polyester solution		Health	2*
2		Fire	3
Product Use: Adhesive		Reactivity	0
3		*Chronic	0

### 2. Composition/Information on Ingredients

Common Name	CAS#	Appro % (w/w)
1,3-Dioxolane	646-06-0	83.0
Non-hazardous and other ingredients below reportable levels	Proprietary	Balance

### 3. Hazards Identification

**EMERGENCY OVERVIEW:** FLAMMABLE LIQUID AND VAPOR. INHALATION MAY CAUSE DIZZINESS, HEADACHE AND INCOORDINATION. MAY CAUSE MODERATE EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INHALATION MAY CAUSE NAUSEA, VOMITING, UPSET STOMACH. MAY CAUSE SKIN IRRITATION. See sections 3, 5 & 6.

**PRIMARY ROUTS OF EXPOSURE:** Eye, Skin, Inhalation (breathing)

**EYE CONTACT:** May cause moderate irritation. Can cause burning sensation, tearing, and redness.

**SKIN CONTACT:** May cause slight to mild irritation.

**INHALATION(Breathing):** Irritating to the eyes, nose, and respiratory tract. Can cause dizziness, headaches and INCOORDINATION. Nausea, vomiting and stomach upset can occur.

**INGESTION (Swallowing):** Irritating to the mouth, throat and stomach.

**TARGET ORGANS/CHRONIC EFFECTS:** Lungs and respiratory system, Eyes.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.

**CARCINOGENICITY:**

	ACGIH	IARC	NTP	OSHA
1,3 - Dioxolane	No	No	No	No

### 4. First Aid Measures

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Get prompt medical attention.

**SKIN CONTACT:** Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

**INHALATION (Breathing):** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

**INGESTION (Swallowing):** Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

### 5. Fire Fighting Methods

Flash Point: 25F° (-3.8C°) Method: Setaflash Closed Cup Autoignition: Not Determined

Exposure Limits: LEL(%) Not Determined UEL (%) Not Determined

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Smoke, soot and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide and etc.)

**FIRE AND EXPLOSION HAZARDS:** High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water. Vapors can travel to a source of ignition (flame, electric motor, hot surface, cigarette and etc.) and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

**EXTINGUISHING MEDIA:** *SMALL FIRES:* Dry chemical, carbon dioxide, halon, water spray or foam. *Large Fire:* Water spray, fog or alcohol foam.

**FIRE FIGHTING PROCEDURES/EQUIPMENT:** Fire fighters and other who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

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6. Accidental Release Measures

**EVACUATION:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.  
**CONTAINMENT:** Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewer or bodies of water.

**CLEAN-UP/PERSONAL PROTECTION EQUIPMENT:** Appropriate safety measures and protective equipment should be used.  
**COLLECTION AND DISPOSAL:** Stop discharge, if safe to do so. Use proper protective equipment. Use non-sparking tools and/or explosion-proof equipment. Stop ignition sources. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

**REPORTING:** Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations. No regulated ingredients.

7. Handling and Storage

**STORAGE CONDITIONS:** Store in cool, dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed.

**WARNING:** Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Any use in such processes should be evaluated thoroughly to assure safe operating conditions.

**TRANSFER:** Containers should be supported and grounded before opening, dispensing, mixing, pouring and emptying. Open with non-sparking tools. If container is warm, open bung slowly to release internal pressure.

**PERSONAL HYGIENE:** Wash thoroughly after handling, especially before eating, drinking, smoking and using the restroom. Wash contaminated goggles, faceshield and gloves. Professionally launder contaminated clothing before re-use.

**EMPTY CONTAINER PRECAUTIONS:** Attention! This container hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residue. Do not heat, sparks, open flames, torches, cigarettes on or near empty container. Do not reuse empty container without professional cleaning for food, clothing or products for human or animal consumption of where skin contact can occur.

8. Exposure Controls/Personal Protection**EXPOSURE GUIDELINES:**

ACGIH - TLV 1,3 Dioxolane 20ppm.

OSHA - PEL - No regulated ingredients.

**ENGINEERING CONTROLS/VENTILATION:** Local exhaust ventilation is recommended when vapors, mists or dust can be released.

**EYE PROTECTION:** Wear chemical splash goggles. An eye wash facility should be readily available.

**SKIN PROTECTION:** Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

**RESPIRATORY PROTECTION:** Avoid breathing vapor and/or mists. Wear NIOSH/MSHA - approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29CFR1910.134.

9. Physical and Chemical Properties

APPEARANCE:	Yellow	ODOR:	Solvent
PHYSICAL STATE:	Liquid	SOLUBILITY:	Slightly soluble
pH:	Not Applicable	VOC MATERIAL:	910 g/L 7.6 lbs/gal
SPECIFIC GRAVITY:	1.09	%NON-VOL (W/W):	17

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. Stability and Reactivity

**CHEMICAL STABILITY:** Stable under normal conditions of use.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** High temperatures

**INCOMPATIBILITY WITH OTHER MATERIAL:** Oxidizers

11. Toxicity Information**COMPONENTS:**

1,3-Dioxolane:

Eye, skin and respiratory tract irritant.

Oral LD50	Rat	3,000 mg/kg
	Mouse	3,200 mg/kg
Dermal LD50	Rabbit	8,480 mg/kg
Inhalation LC50	Rat	20,650 ppm/4-hours

12. Ecological Information

No data are available on this product

