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 SECTION I - PRODUCT IDENTIFICATION  
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Manufacturer: SIA ADHESIVES, INC. Information Phone: (330) 374-2786  
 123 WEST BARTGES ST. Emergency Phone: (330) 374-2900  
 DEPARTMENT 1932/1904 CHEMTREC Phone: (800)424-9300  
 AKRON OH 44311

! Hazard Ratings: Health - 2  
 ! none -> extreme Fire - 3  
 ! 0 ----> 4 Reactivity - 0  
 !  
 !  
 Product Class: SOLVENT ADHESIVE  
 Trade Name : A 1647 B  
 Product Code : 2765330  
 C.A.S. Number: NA  
 Prepared By : MICHAEL EBERHART  
 Title : MANAGER ENVIRONMENTAL AFFAIRS

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 SECTION II - HAZARDOUS INGREDIENTS  
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Ingredients	CAS #	Weight %	--- Exposure Limits ---		VP mm HG
			ACGIH/TLV	OSHA/PEL	
TETRAHYDROFURAN	109-99-9	75.	200 ppm	200 ppm	142
			STEL = 250 ppm	250 ppm	
CYCLOHEXANONE*(SKIN)	108-94-1	< 5.	25 ppm	25 ppm	7
DIOCTYL PHTHALATE	117-81-7	< 0.1	5 mg/M3	5 mg/M3	0
IDENTIFIED AS CARCINOGEN BY NTP AND IARC.					
TITANIUM DIOXIDE	13463-67-7	< 5.	10 mg/M3	10 mg/M3	N/AP
PROPYLENE OXIDE	75-56-9	< 1.	20 ppm	20 ppm	0
LISTED AS A CARCINOGEN BY NTP AND IARC					

\*\*\* ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

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 SECTION III - PHYSICAL DATA  
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Boiling Range: 151 - 729 Deg. F Vapor Density: Heavier than Air.  
 Evap. Rate: Faster than n-Butyl Acetate Liquid Density: Lighter than Water.  
 Volatiles vol % 78 Wgt% 75 Wgt per gallon: 8.17 Pounds.  
 Spec. Gravity: 0.98079  
 Appearance: WHITE LIQUID SHARP ODOR  
 V.O.C.: 740 G/L

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 SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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Flammability Class: 1B Flash Point: 6 F TCC LEL: 1.10% UEL: 11.80%  
 -EXTINGUISHING MEDIA:  
 WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL.  
 -SPECIAL FIREFIGHTING PROCEDURES:  
 DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE  
 EQUIPMENT INCLUDING NIOSH APPROVED SELF CONTAINED BREATHING  
 APPARATUS.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA (cont.)  
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-UNUSUAL FIRE & EXPLOSION HAZARDS:

VAPORS MAY BUILD UP IN POORLY VENTILATED AREAS AND BE IGNITED, CAUSING FLASH FIRES OR EXPLOSIONS. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND OR FLOOR TO SOURCE OF IGNITION, CAUSING FLASH FIRES OR EXPLOSIONS.

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SECTION V - HEALTH HAZARD DATA  
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-PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION II

-EFFECTS OF OVEREXPOSURE:

INHALATION: NOSE AND THROAT IRRITATION HEADACHE, NAUSEA, LOSS OF COORDINATION, DIZZINESS, UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

SKIN CONTACT: MAY CAUSE DEFATTING OR DERMATITIS.

EYE CONTACT: MAY CAUSE IRRITATION, OR CORNEAL CLOUDING.

INGESTION: ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS  
CHRONIC EFFECTS MAY INCLUDED DERMATITIS, KIDNEY AND LIVER DAMAGE.

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER-EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

OVER EXPOSURE HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABATORY ANIMALS; LIVER ABNORMALITIES, KIDNEY DAMAGE.

MEDICAL CONDITIONS AGGRAVED BY EXPOSURE: NONE KNOWN.

-FIRST AID:

INHALATION: REMOVE TO FRESH AIR, IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH, IF BREATHING DIFFICULT GIVE OXYGEN, CALL A PHYSICIAN AT ONCE.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. WASH AFFECTED AREA WITH PLENTY OF SOAP AND WATER.

EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN (HOLD EYE LIDS OPEN) LONGER IF THERE IS INDICATION OF RESIDUE MATERIAL IN EYE.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

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SECTION VI - REACTIVITY DATA  
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STABILITY: [ ] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [ ] May occur [x] Will not occur

-INCOMPATIBILITY:

STRONG OXIDIZING AGENTS.

-CONDITIONS TO AVOID:

SEE ABOVE.

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SECTION VI - REACTIVITY DATA (cont.)  
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-HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE, CARBON MONOXIDE, SMOKE, ALIPHATICS, AND OTHERS.

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SECTION VII - SPILL OR LEAK PROCEDURES  
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-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL IGNITION SOURCES, PROVIDE ADEQUATE VENTILATION,  
AVOID BREATHING VAPORS, AVOID EYE AND SKIN CONTACT. WIPE UP  
WITH RAGS, PAPER OR OTHER ABSORBANT. PLACE IN SUITABLE CLOSED  
CONTAINERS FOR DISPOSAL.

-WASTE DISPOSAL METHOD:

THIS MATERIAL IF DISCARDED, IS HAZARDOUS AND MUST BE PROPERLY  
STORED, TRANSPORTED, AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE  
LOCAL, STATE, AND FEDERAL REGULATIONS.

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SECTION VIII - SPECIAL PROTECTION INFORMATION:  
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-RESPIRATORY PROTECTION:

FOR AIR CONTAMINANTS ABOVE TWA OR PERMISSIBLE LIMITS USE NIOSH  
APPROVED RESPIRATOR FOR ORGANIC VAPORS.

-VENTILATION:

LOCAL EXHAUST TO KEEP VAPORS BELOW TWA OR PERMISSIBLE LIMITS.

-PROTECTIVE GLOVES:

IMPERVIOUS.

-EYE PROTECTION:

CHEMICAL GOGGLES.

-OTHER PROTECTIVE EQUIPMENT:  
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SECTION IX - SPECIAL PRECAUTIONS  
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-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

USE ONLY IN A WELL VENTILATED AREA. ELIMINATE ALL SOURCES OF  
IGNITION SUCH AS SPARKS, FLAMES, AND NON-EXPLOSION PROOF DEVICES.  
AVOID PROLONGED OR REPEATED SKIN CONTACT OR BREATHING OF VAPORS.  
FOR INDUSTRIAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN.  
STORE IN TIGHTLY CLOSED CONTAINERS, IN A COOL DRY PLACE, AWAY  
FROM ALL SOURCES OF IGNITION AND HEAT. LARGE CONTAINERS SHOULD  
BE GROUNDED AND INTERCONNECTED TO PREVENT STATIC BUILD UP DURING  
TRANSFER OPERATIONS. EMPTY CONTAINERS OF THIS MATERIAL MAY BE  
HAZARDOUS SINCE THEY MAY CONTAIN RESIDUAL LIQUID, VAPORS OR DUST.

-OTHER PRECAUTIONS:

IN ADDITION TO ANY LISTED PRECAUTIONS, YOU SHOULD CONSULT YOUR  
OCCUPATIONAL SAFETY AND HEALTH SPECIALIST TO INSURE THAT THE  
HANDLING PROCEDURES WILL BE ADEQUATE AND IN COMPLIANCE WITH  
APPLICABLE LAWS AND REGULATIONS.

DISCLAIMER OF LIABILITY: THE INFORMATION CONTAINED HERE IN IS  
BASED ON DATA TAKEN FROM SOURCES BELIEVED TO BE BOTH CURRENT AND (cont.)

## ===== SECTION IX - SPECIAL PRECAUTIONS (cont.) =====

## ----- -OTHER PRECAUTIONS: (cont.)

RELIABLE AT THE TIME OF PUBLICATION. SIA ADHESIVES MAKES NO WARRANTIES EXPRESS OR IMPLIED, AS TO ITS ACCURACY AND ASSUMES NO LIABILITY ARISING FROM ITS USE BY OTHERS. COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS REMAINS THE RESPONSIBILITY OF THE USERS.

## ===== 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:

CAS#	Chemical Name	Percent by Weight
117-81-7	DIOCTYL PHTHALATE	< 5.
75-56-9	PROPYLENE OXIDE	< 1.

## ----- -PROP 65 (CARCINOGEN):

WARNING: This product contains a chemical known to the state of California to cause cancer.

CAS#	Chemical Name
117-81-7	DIOCTYL PHTHALATE
	DI(2-ETHYLHEXYL)PHTHALATE
75-56-9	PROPYLENE OXIDE

PRODUCT MAY CONTAIN TRACE AMOUNTS OF CALIFORNIA PROPOSITION 65 LISTED CHEMICALS.

## ----- -PROP 65 (TERATOGEN):

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

CAS#	Chemical Name
	None

## ===== SECTION X - ADDITIONAL REGULATORY INFORMATION (cont.) =====

## ----- -PROP 65 (TERATOGEN): (cont.)

CAS#	Chemical Name
	None