

SECTION I - PRODUCT IDENTIFICATION

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

Product Class: AEROSOL ADHESIVE ! Hazard Ratings: Health - 2
 Trade Name : S-704 ! none -> extreme Fire - 3
 Product Code : 27680140001 ! 0 ----> 4 Reactivity - 0
 C.A.S. Number: NA !
 Prepared By : MICHAEL T. EBERHART
 Title : ENVIRONMENTAL AFFAIRS MANAGER

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits ACGIH/TLV	OSHA/PEL	VP mm HG
N-HEXANE	110-54-3	15.	50 ppm	50 ppm	119
ALIPHATIC PETROLEUM DISTILLATE	64742-49-0	10.	400 ppm	400 ppm	119
TOLUENE (SKIN)	108-88-3	< 0.1	50 ppm	100 ppm	22.1
		STEL =		150 ppm	
BENZENE	71-43-2	< 0.1	1 ppm	1 ppm	N/AP
METHYLENE CHLORIDE	75-09-2	25.	50 ppm	25 ppm	340
		STEL =		125 ppm	
IDENTIFIED AS POTENTIAL ANIMAL CARCINOGEN BY IARC, NTP, AND OSHA					
AMORPHOUS SILICA	112945-52-5	< 5.	N.E.	N.E.	N/AP
		STEL =	N.E.	N.E.	
6 mg/M3 IS INDUSTRY STANDARD FOR TOTAL DUST SAMPLING					
PROPANE	74-98-6	15.	1000ppm	1000 ppm	0
ISOBUTANE	75-28-5	15.	1000ppm	1000 ppm	0

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

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: 49 - 231 Deg. F Vapor Density: Heavier than Air.
 Evap. Rate: Faster than n-Butyl Acetate Liquid Density: Lighter than Water.
 Volatiles vol % 80 Wgt% 81 Wgt per gallon: 6.84 Pounds.
 Spec. Gravity: 0.82113

Appearance: TAN LIQUID AERSOL SHARP ODOR
 V.O.C.: 357 gm/L

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1B Flash Point: -10 F TCC LEL: 1.10% UEL: 23.00%

-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.

-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.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

-EFFECTS OF OVEREXPOSURE:

INHALATION: NOSE AND THROAT IRRITATION HEADACHE, NAUSEA, LOSS OF COORDINATION, DIZZINESS, UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.
METHYLENE CHLORIDE IS METABOLIZED TO CARBON MONOXIDE WHICH INCREASES AND SUSTAINS THE CARBOXYHEMOGLOBIN LEVEL IN BLOOD REDUCING ITS OXYGEN CARRYING CAPACITY
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 OF OVER EXPOSURE: MAY CAUSE DEFATTING AND DERMATITIS. MAY CAUSE KIDNEY OR LIVER DAMAGE.

IARC (1979) CLASSIFIED METHYLENE CHLORIDE AS AN INDEFINATE ANIMAL CARCINOGEN. RECENT TESTS PERFORMED FOR NTP IN RATS AND MICE SUGGESTS THAT METHYLENE CHLORIDE MAY BE AN ANIMAL CARCOGEN
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 BEEN SUGESTED AS A CAUSE OF FOLLOWING EFFECTS LIVER ABORMALITIES, KIDNEY DAMAGE, CENTRAL NERVOUS SYSTEM DAMAGE. METHYLENE CHLORIDE IS NOT BELIEVED TO POSE A MEASURABLE CARCINOGENIC RISK TO MAN WHEN HANDLED AS RECOMMENDED.

-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.

SECTION V - HEALTH HAZARD DATA (cont.)

-FIRST AID: (cont.)

EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN (HOLD EYE LIDS OPEN) LONGER IF THERE IS INDICATION OF RESIDUAL MATERIAL IN EYE.
INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN: AVOID USE OF ADRENALIN IN PERSONS OVERCOME BY METHYLENE CHLORIDE.

SECTION VI - REACTIVITY DATA

STABILITY: [] Unstable [x] Stable
HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur

-INCOMPATIBILITY:

STRONG OXIDIZING AGENTS.

-CONDITIONS TO AVOID:

CAN DECOMPOSE ALUMINUM AND/OR ZINC CONTAINERS, PIPING, ETC.

-HAZARDOUS DECOMPOSITION PRODUCTS:

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

SECTION VII - SPILL OR LEAK PROCEDURES

-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 ABSORBENT. 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.

*RCRA REGULATION 40 CFR 261.21

CONTRACT WITH A DISPOSAL SERVICE EQUIPED TO HANDLE PRESSURIZED CONTAINERS. DO NOT PUNCTURE OR INCENERATE.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

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

-VENTILATION:

LOCAL EXHAUST TO KEEP VAPORS BELOW TLV OR PERMISSIBLE LIMITS.

-PROTECTIVE GLOVES:

IMPERVIOUS.

-EYE PROTECTION:

CHEMICAL GOGGLES.

-OTHER PROTECTIVE EQUIPMENT:

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 SECTION IX - SPECIAL PRECAUTIONS

-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. STORE BELOW 130F.

-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 HEREIN IS BASED ON DATA TAKEN FROM SOURCES BELIEVED TO BE BOTH CURRENT AND RELIABLE AT THE TIME OF PUBLICATION. SIA ADHESIVES, INC. HOWEVER, 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.

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 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
110-54-3	N-HEXANE	< 20.
108-88-3	TOLUENE (SKIN)	< 1.
71-43-2	BENZENE	< 1.
75-09-2	METHYLENE CHLORIDE	< 50.

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SECTION X - ADDITIONAL REGULATORY INFORMATION (cont.)

-PROP 65 (CARCINOGEN):

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

CAS#	Chemical Name
71-43-2	BENZENE
75-09-2	METHYLENE CHLORIDE

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
108-88-3	TOLUENE (SKIN)

-PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm

CAS#	Chemical Name
	None