



Polymer Adhesives

Sealant Systems, Inc.

MATERIAL SAFETY DATA SHEET

SECTION I

DISTRIBUTOR OR MANUFACTURER: Polymer Adhesives Sealant Systems, Inc.		EMERGENCY TELEPHONE NO. CHEMTREC (800) 424-9300
ADDRESS (Number, Street, City, State and ZIP Code) 501 Garrett Morris Parkway Mineral Wells, TX 76067		
CHEMICAL FAMILY: Solvent Based Adhesive	PRODUCT NAME AND SYNONYMS AEROTACK 12#, 40# and 355#	
PRODUCT USE Aerosol Adhesive	FORMULA Proprietary	

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	%	TWA	PEL (ppm) STEL	CEILING	SKIN DESIGNATION	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LD50 OF INGREDIENT (SPECIFY SPECIES)
Hydrocarbon Propellant	68476-86-8	30-40	1000 ppm	1000 ppm	N/A	N/A	N/A	N/A
Propylene Oxide	75-56-9	<0.3	2 ppm	100 ppm	N/A	N/A	N/a	N/A
Methylene Chloride	75-09-2	<48	25ppm	125 ppm	N/A	N/A	N/A	N/A

SECTION III - PHYSICAL DATA

PHYSICAL STATE Liquid under pressure	ODOR AND APPEARANCE Green liquid, sweet cholor odor	VOC (grams/liter) Less Water & Exempt Solvents 429	ODOR THRESHOLD (ppm) N/E
VAPOR PRESSURE 70psig at 70 F	VAPOR DENSITY 2.93 Air =1	EVAPORATION RATE 14.5nBuutyl Acetate =1	BOILING POINT (°C) 44.5 F
PH N/A	SPECIFIC GRAVITY 0.85	COEFF. WATER/OIL DIST. N/A	SOLUBILITY IN WATER Negligible
			FREEZING POINT N/A
			VOLATILES BY WT. (%) 83

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY X	IF YES UNDER WHICH CONDITIONS? Open Flames, Sparks, Excessive Heat
FLASHPOINT (°C) AND METHOD Propellant 156 F	AUTOIGNITION TEMPERATURE (°C) 761 F
	LOWER FLAMMABLE LIMIT (% BY VOLUME) 1.8
	UPPER FLAMMABLE LIMIT (%BY VOLUME) 23

HAZARDOUS COMBUSTION PRODUCTS
Carbon monoxide, carbon dioxide, hydrogen chloride, small amount of phosgene and chlorine

EXPLOSION DATA Yes	SENSITIVITY TO IMPACT Not sensitive to impact	SENSITIVITY TO STATIC DISCHARGE Sensitive to static discharge
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NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THE SYSTEM)
Health - 3, Flammability - 4, Reactivity - 0, Protection - 3

EXTINGUISHING MEDIA
Regular foam, Carbon dioxide or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES
Firefighters: Wear self-contained breathing apparatus, cool fire exposed containers with water spray to prevent pressure build-up and possible autoignition or explosion. In case of rupture, ventilate area to prevent propellant concentration from reaching flammable levels, fire protection and response strategy should be planned through consultation with local fire protection authorities.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Positive flashback, contents under pressure, exposure to temperatures above 120° may cause rupture of container. This product contains non-flammable chlorinated solvent and extremely flammable propellant. Material is highly volatile and vapors are heavier than air vapors will accumulate readily and propellant vapors may travel along the ground or may be moved by ventilation and ignited by open flames, sparks, smoking electrical motors static discharge or other ignition sources located distant from material handling point.

PRODUCT NAME: AEROTACK 12#, 40# and 355#

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	STABLE	X		WILL NOT OCCUR	X	
INCOMPATIBILITY (Materials to avoid)						Extreme Temperatures
Strong acids, strong alkalies, oxidizers, reactive and alkali metals						
HAZARDOUS DECOMPOSITION PRODUCTS						
Carbon monoxide, carbon dioxide, hydrogen chloride, small amount of phosgene and chlorine.						

SECTION VI - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT [] SKIN ABSORPTION [] EYE CONTACT [] INHALATION [] INGESTION []			
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
Toxicity depends upon duration of exposure. Symptoms of overexposure include dizziness, nausea, headache, and even loss of consciousness, aspiration may be a hazard. Neurotoxin effects include permanent brain and nervous system damage. Symptoms include loss of memory, loss of intellectual ability and loss of coordination.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
Chronic expouser to the propellant amy cause dizziness and periphral numbess.			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
See PEL	Contact may cause irritation, pain, burning, redness, dryness.	Exposure can cause irritation and burns to eyes and skin	Material is listed as a possible carcinogen
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
No evidence	Yes in lab animal studies.	No evidence	N/A

SECTION VII - PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT		
GLOVES (SPECIFY)	RESPIRATOR (SPECIFY)	EYE (SPECIFY)
Rubber chemical resistant gloves	Use NIOSH approved respirator	Splash safety goggles
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)
Rubber or Chemical Resistant	Clean contaminated clothing before use	
ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS)		
Ventilation equivalent to outdoors.		
LEAK OR SPILL PROCEDURE		
Eliminate all ignition sources. Ventilate area, avoid breathing vapors use respirator protection, wear appropriate skin and eye protection. Dike and contain spill absorb with inert absorbent material. Allow volatiles protion of evaporate place in sealed container for disposal by licensened agent.		
WASTE DISPOSAL		
Replace cap and dispose container in accordance with local and federal laws.		
HANDLING PROCEDURES AND EQUIPMENT		
Mop up residue & keep run-offs out of sewer.		
STORAGE REQUIREMENTS		
Store at room temperature and away from direct sunlight.		
SPECIAL SHIPPING INFORMATION		
Class 3 UN1133		

ION VIII - FIRST AID MEAS

SPECIFIC MEASURES	
Eye Contact:	Flush eyes immediately with water for at least 15 minutes. Call a physician.
Skin Contact:	Remove clothing and wash before reuse. Wash affected area with soap and water for 15 minutes. If irritation persists, seek medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped administer artificial respiration and or oxgen. Call a physician.
Ingestion:	Do not induce vomiting. Keep person warm and quiet and get medical attention. Aspiration of material in the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

SECTION IX - SARA Section 131 SUPPLIER NOTIFICATION

CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT	CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
68476-86-8	Hydrocarbon Propellant	30-40			
75-56-9	Propylene Oxide	<0.3			
75-09-2	Methylene Chloride	<48			

SECTION X - PREPARATION INFORMATION

PREPARED BY (GROUP, DEPARTMENT, ETC.)	PHONE NUMBER	DATE	CHANGE NO.	SUPERSEDES ALL PREVIOUS PUBLICATIONS
Research and Development	(940) 328-9500	2/2/2008	5	