

Material Safety Data Sheet

Pbs Sealant

October 2, 2012

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT: Pbs Sealant

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Jet Stream Aviation Products
7515 Lemmon Ave, Building J
Dallas, TX 75209 (214) 351-3400

EMERGENCY TELEPHONE NUMBER
INFOTRAC (800) 535-5053

SECTION - 2 COMPOSITION INFORMATION

COMPONENT	CAS #	% BY WEIGHT
Acrylic Co-polymer	62180-77-2	10 - 20%
Glycol Ether DM (Diethylene Glycol Monomethyl ether)	111-77-3	1 - 5%

The remaining ingredients are not hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION - 3 HAZARDS INFORMATION

EMERGENCY OVERVIEW

CAUTION! Avoid Eye Contact. May Cause Skin Irritation. Avoid Inhalation of Spray Mist. Do Not Take Internally. KEEP OUT OF REACH OF CHILDREN.

ACUTE – Effects Of Single Overexposure

EYES Product contact with eyes may cause irritation.
SKIN Product contact with skin may cause irritation.
INHALATION Product may be irritating to respiratory tract.
INGESTION May be harmful if swallowed.

CHRONIC – Prolonged or Repeated Overexposure

EYES Product contact with eyes may cause irritation and tearing.
SKIN Product contact with skin may cause irritation, dryness and cracking may occur.
INHALATION Product may be irritating to respiratory tract.
INGESTION Swallowing may cause abdominal irritation, nausea, vomiting and/or diarrhea.
ASPIRATION HAZARD Vomiting can cause serious inflammation and accumulation of fluids in the lungs. Aspiration into the lungs can produce severe lung damage and is a medical emergency.
TARGET ORGANS Ingesting large quantities may cause liver, kidney damage and/or Central Nervous System Depression.

CARCINOGENIC – Product may contain trace amounts of following.

CHEMICAL	CAS#	NTP	ACGIH	IARC	PERCENT
None					

MUTAGENIC AND TERATOGENIC EFFECTS – May cause fetal and reproductive abnormalities.

CHEMICAL	CAS#	MUTAGENIC	TERATOGENIC	DEVELOPMENTAL	PERCENT
None					

HAZARD RATINGS

Health	Flammability	Reactivity	Personal Protection
1	0	0	= Not Normally Required

SECTION - 4 FIRST AID MEASURES

EYE CONTACT Flush eyes with cold water for at 15 minutes while lifting upper and lower eyelids. Be sure to remove any contact lenses. If irritation persists seek medical aid.

SKIN CONTACT Wash with soap and water. If irritation persists, seek medical aid.

INHALATION Remove person to fresh air, if they have problem breathing seek medical attention.

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious give one to two glasses of water to dilute and obtain medical attention.

ASPIRATION HAZARD If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician or hospital emergency room and obtain medical attention.

SECTION - 5 FIRE FIGHTING MEASURES

COMPONENT	FLASH POINT	METHOD	NFPA Class	FLAMMABILITY CLASSIFICATION
FLAMMABLE LIMITS	>212°F (> 100°F) LOWER Not applicable	TAG Closed Cup UPPER Not applicable	Not applicable	Will not burn. AUTO-IGNITION TEMPERATURE Not applicable
EXPLOSION HAZARDS	Mechanical Impact Not applicable		Static Discharge Not applicable	
Reactive with	Strong oxidizers.			
Extinguishing Media	Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials.			
Fire Fighting Procedures	Use normal firefighting procedures for surrounding fire.			
Protective Equipment	Not applicable			
Hazardous Decomposition	None			
HAZARD RATINGS	Health	Flammability	Reactivity	Specific Hazard
NFPA	1	0	0	

SECTION - 6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK Absorb with a towel or inert material and dispose of in accordance with all State and Federal Guidelines and Regulations.

SECTION - 7 HANDLING AND STORAGE

HANDLING Wash thoroughly after handling.
STORAGE Store away for direct sunlight. Protect from freezing. KEEP OUT OF REACH OF CHILDREN.

SECTION - 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	ACGIH	ACGIH	OSHA PEL	OSHA PEL	ACGIH	ACGIH	Significant
COMPONENT	TWA8	TWA8	TWA8	TWA8	STEL	STEL	Exposure
Acrylic Co-polymer	NE	NE	NE	NE	NE	NE	None
Glycol Ether DM	NE	NE	NE	NE	NE	NE	None

SECTION - 8 EXPOSURE CONTROLS / PERSONAL PROTECTION CONTINUED

PERSONAL PROTECTION

EYES	Safety Glasses	HANDS	Rubber Gloves
BODY	Not normally required.	FEET	Not normally required.
RESPIRATORY	Not normally required.	OTHER	Not normally required.
VENTILATION	General		
HYGIENE	Wash after handling this product and before eating, smoking or using the bathroom.		

SECTION - 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	pH	8.0
APPEARANCE	Opaque White	SPECIFIC GRAVITY	1.00
ODOR	Slight ammonia	DENSITY	8.34 lb/gal
SOLUBILITY	100%	FREEZE POINT	40°F (4.5°C)
VOLATILES	75%	VAPOR PRESSURE	Not determined
V.O.C.	< 3%	VAPOR DENSITY	Not determined

SECTION - 10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID Avoid freezing or direct sunlight.
INCOMPATIBLE MATERIALS Strong oxidizers.
THERMAL DECOMPOSITION Burning or thermal decomposition can produce carbon monoxide and/or carbon dioxide and other toxic fumes.
HAZARDOUS POLYMERIZATION Will not occur.

SECTION - 11 TOXICOLOGICAL INFORMATION

COMPONENT	FORM	SUBJECT	RESULT VALUE	EXPOSURE TIME
Glycol Ether DM	LD50	Oral	Rat	2g/m ³
	LD50	Oral	Guinea Pig	4.2g/kg
	LD50	Skin	Rabbit	20g/kg

SECTION - 12 ECOLOGICAL INFORMATION

COMPONENT	SUBJECT		RESULT VALUE	EXPOSURE TIME
Glycol Ether DM	NE	NE	NE	NE
Acrylic Co-polymer	NE	NE	NE	NE

SECTION - 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.
 Dispose of any waste in accordance with all State and Federal Guidelines and Regulations.

ENVIRONMENTAL FATE

This material, as supplied, when discarded or disposed of, is classifiable as hazardous waste according to Federal Regulations (40 CFR 261).

SECTION - 14 TRANSPORT INFORMATION

D.O.T. CLASSIFICATION

UN NUMBER	PROPER SHIPPING NAME	n.o.s.	HAZARD CLASS	
	Not Regulated	Compounds Cleaning Liquid	Non Hazardous	
PACKING GROUP	LABEL CODES	REPORTABLE QUANTITY	RESPONSE CODE	MARINE POLLUTANT
PGIII	Not applicable	Not applicable	Not applicable	No

SECTION - 15 REGULATORY INFORMATION

TSCA	CAS No.	Sec 8(b) Inventory	Sec 8(d) Health & Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Chemical Name Glycol Ether DM	111-77-3	Yes	Yes		

HCS CLASSIFICATION
 Not Applicable

REPORTABLE QUANTITIES	CAS No.	Extremely Hazardous EPCRA TPQ Sec. 302	Reportable Quantity EPCRA RQ Sec. 304	Reportable Quantity CERCLA RQ Sec. 103	Emission Reporting TRI Sec. 313	RCRA Code	RMP TQ Sec112r
Chemical Name Not Listed							

SARA	CAS No.	Sec 311 Hazardous Chemical	Acute	Chronic	Sec 311 & 312 Hazards Flammable	Pressure	Reactive
Chemical Name Glycol Ether DM	111-77-3	Yes	Yes	Yes			

RIGHT TO KNOW	CAS No.	State												
Chemical Name		CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Chemical Name Not Listed														

CALIFORNIA Proposition 65
 None > 0.1%
WARNING! This product contains chemicals known to the state of California to cause:
 Birth Defects Reproductive Harm Carcinogen Developmental

Clean Air & Water Acts	CAS No.	Clean Air Acts			Clean Water Acts		
Chemical Name		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Chemical Name Not Listed							

INTERNATIONAL REGULATIONS - The components of this product are listed on the chemical inventories of the following countries

Chemical Name	CAS No.	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Chemical Name Not Listed							

DSCL (EEC)	Code	Definition (Risk-Phrases / Safety-Phrases)
	R36/38	Irritating to eyes and skin.
	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

WHMIS Classification	DSL	Class	Definition
Chemical name Not Listed			

SECTION - 16 OTHER INFORMATION

SOURCE INFORMATION	CHEMICAL	CAS NO.	REVISION DATE
CISCO	Glycol Ether DM	111-77-3	01/05/2000
Rohm and Haas Company	Acrylic Co-polymer	62180-77-2	02/16/2010

MSDS Legend

ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CAS = Chemical Abstracts Service Registry	n.o.s. = Not Otherwise Specified
CEILING = Ceiling Limit (15 minutes)	NTP = National Toxicology Program
CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act	OSHA = Occupational Safety and Health Administration
EPA = Environmental Protection Agency	PEL = Permissible Exposure Limit (OSHA)
HAP = Hazard Air Pollutant	PP = Priority Pollutant
HMIS = Hazardous Materials Identification System	SARA = Superfund Amendments and Reauthorization Act
HS = Hazardous Substance	STEL = Short Term Exposure Limit (15 minutes)
IARC = International Agency for Research on Cancer	TLV = Threshold Limit Value (ACGIH)
LEL = Lower Explosive Limit	TP = Toxic Pollutant
NE = Not Established	TWA = Time Weighted Average (8 hours)
	UEL = Upper Explosive Limit
	WHMIS = Worker Hazardous Materials Information System (Canada)

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