



# SAFETY DATA SHEET

PBS Boot Sealant

Revision Date 10/22/2015

## SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **PBS Boot Sealant** ITEM PBS  
 PRODUCT USE Boot Sealant  
 COMPANY NAME Jet Stream Aviation Products Office (972) 542-2400  
 1971 University Business Dr. Suite 102 Fax (972) 542-0238  
 McKinney Tx 75071 Web [www.jetstreamproducts.com](http://www.jetstreamproducts.com)  
**EMERGENCY TELEPHONE NUMBER** **INFOTRAC (800) 535-5053**

## SECTION – 2 HAZARDS INFORMATION

Health Hazards EYES-Category 2B; REPRODUCTIVE-Category 2



Reproductive Toxicity

**WARNING** Causes eye irritation, Suspected of damaging fertility or the unborn child  
 May be harmful if swallowed, Avoid eye or skin contact, Use personal protective equipment as required, Wash thoroughly with soap and water after handling, Avoid release into the environment

## SECTION – 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Acrylic Co-polymer		62180-77-2		10 - 30%
Glycol Ether DM	Diethylene Glycol Monomethyl Ether	111-77-3		1 - 10%

## SECTION – 4 FIRST AID MEASURES

**EYE CONTACT** Immediately flush eyes with cold water for at several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid

**SKIN CONTACT** Wash with soap and water, Remove contaminated shoes or clothing and wash before reuse, If irritation occurs or persists seek medical aid

**INHALATION** Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

**INGESTION** DO NOT INDUCE VOMITING. If person is fully conscious give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

**Aspiration Hazard** Not applicable

### ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

**Eyes** Can cause eye irritation, redness, tearing, or pain

**Skin** May cause mild skin irritation

**Inhalation** Not applicable

**Ingestion** May be harmful if swallowed

### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

**Eyes** Causes eye irritation, redness, tearing, or pain

**Skin** May cause skin irritation, redness, drying or cracking

**Inhalation** Mist, vapor or fumes may cause, irritation to respiratory tract

**Ingestion** May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, May affect target organs

## SECTION – 5 FIRE FIGHTING MEASURES

**Extinguishing Media** Not flammable: Use extinguishing media for surrounding fire

**Hazardous Decomposition** Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide

**Reactive With** Reactive with, strong oxidizing agents

**Explosion Hazards** Not applicable

**Static Discharge** Not applicable

**Mechanical Impact** Not applicable

**Protective Equipment** Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Avoid slipping on spilled product
<b>Protective Equipment</b>	Safety Glasses, Gloves
<b>Containment</b>	Use rags or towels to prevent spill from spreading, Prevent spill from entering the environment
<b>Clean Up Procedures</b>	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible materials, Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, May be harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials, Stored above 4.4°C (40°F) and below 49°C (120°F)
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Acrylic Co-polymer	None	Established			
Glycol Ether DM	10 ppm	(50.1 mg/m <sup>3</sup> )			SI,SA

**PERSONAL PROTECTIVE EQUIPMENT**Chemical Safety Glasses,  
Goggles or Face ShieldImpervious  
Chemical GlovesEye Wash  
(Recommended)**Ventilation**

General Ventilation

**HMIS HAZARD RATINGS**

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	> 93.3°C (200°F) - TAG Closed Cup	<b>Specific Gravity / Density</b>	1.01
<b>Flammable Limits</b>	ND	<b>pH (± 0.3)</b>	8.0
<b>Auto-Ignition Temp.</b>	ND	<b>Viscosity</b>	ND
<b>Physical State</b>	Liquid	<b>Freeze Point</b>	ND
<b>Appearance</b>	Milky white	<b>Boiling Point</b>	ND
<b>Odor</b>	Mild	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mm Hg)</b>	ND
<b>Solubility</b>	100%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	< 75%	<b>Partition Coefficient</b>	ND
<b>VOC</b>	< 5%	<b>Molecular Weight (g/mol)</b>	ND
<b>LVP-VOC</b>	0%	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

<b>Reactivity (Specific Test Data)</b>	None available
<b>Chemical Stability</b>	Stable when stored above 4.4°C (40°F) and below 49°C (120°F)
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials, Freezing temperatures
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents
<b>Thermal Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Can cause eye irritation, redness, tearing, or pain  
**Skin** May cause mild skin irritation  
**Inhalation** Not applicable  
**Ingestion** May be harmful if swallowed

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** Causes eye irritation, redness, tearing, or pain  
**Skin** May cause skin irritation, redness, drying or cracking  
**Inhalation** Mist, vapor or fumes may cause, irritation to respiratory tract  
**Ingestion** May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, May affect target organs

**Acute Tox Calculated** Oral: > 5,000 mg/kg Dermal: > 5,000 mg/kg Inhaled: > 50.0 mg/L

**Acute Tox Category** No Data or NA (Oral >5000 mg/kg), No Data or NA (Dermal > 5000 mg/kg), No Data or NA (Inhaled >50 mg/L) Vapors

**Additional Info**

**Target Organs** Kidneys, Liver, Eyes (Lens or cornea), Skin  
**Medical Conditions** Preexisting, eye, skin, liver, kidney, disorders may be aggravated by exposure to this product  
**Notes to Physician** In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
Glycol Ether DM		2 (Suspected of damaging fertility or the unborn child)

**COMPONENTS ACUTE TOXICITY**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Glycol Ether DM	LD50	Oral	Rat	7,128 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	9,404 mg/kg		(>2000 mg/kg)

**SECTION – 12 ECOLOGICAL INFORMATION**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Glycol Ether DM	LC50	Bluegill	(Lepomis macrochirus)	7,500 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Green Algae	(Selenastrum capricorn)	> 1,000 mg/l	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	1,192 mg/l	48 Hours	4 (>100 mg/L)

**Persistence And Degradability** This product is readily biodegradable according to the OECD definition  
**Bioaccumulative Potential** There is no evidence to suggest bioaccumulation will occur  
**Mobility In Soil** This material is a mobile liquid  
**Other Adverse Effects** May be harmful to aquatic life

**SECTION – 13 DISPOSAL CONSIDERATIONS****DO NOT DUMP INTO ANY STORM 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**

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

**SECTION – 14 TRANSPORT INFORMATION****DOT CLASSIFICATION**

**UN Number** **Proper Shipping Name** n.o.s. ( Chemicals ) or "Limits"

Not Regulated Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

**SECTION – 15 REGULATORY INFORMATION****TSCA**

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Acrylic Co-polymer	Yes			
Glycol Ether DM	Yes			

**REPORTABLE QUANTITIES**

CHEMICAL NAME	Extremely Hazardous		Reportable Quantity	Emission Reporting		
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Glycol Ether				Yes		

**SARA**

CHEMICAL NAME	Section 311		Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Acrylic Co-polymer	Yes	Yes				
Glycol Ether DM	Yes		Yes	Yes		

**RIGHT TO KNOW**

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Glycol Ether DM						Yes		Yes				Yes	

**CALIFORNIA**

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

**CLEAN AIR WATER ACTS**

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
None Listed							

**INTERNATIONAL REGULATIONS** – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Glycol Ether DM	Yes	Yes	Yes	Yes	Yes	Yes

**WHMIS Classification**

CHEMICAL NAME	DSL	Class	Description
Glycol Ether DM	Yes	D-2A	Materials Causing Other Toxic Effects; Very Toxic Material

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>LC50</b>	A concentration that is lethal to 50% of a given species in a given time
<b>CAS</b>	Chemical Abstracts Service Registry	<b>LD50</b>	Dose that is lethal to 50% of a given species by a given route of exposure
<b>CEIL</b>	Ceiling Limit (15 minutes)	<b>LEL</b>	Lower Explosive Limit
<b>CERCL</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>LD</b>	Liver Damage
<b>CI</b>	Cochlear Impairment	<b>NA</b>	Not Applicable
<b>CNS</b>	Central Nervous System	<b>ND</b>	Not Determined
<b>EC50</b>	Concentration of a chemical that gives half-maximal response	<b>NFPA</b>	National Fire Protection Association
<b>EPA</b>	Environmental Protection Agency	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>Eye</b>	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	<b>NE</b>	Not Established
<b>FBG</b>	Full Bunker Gear	<b>NTP</b>	National Toxicology Program
<b>GHS</b>	Globally Harmonized System	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HAP</b>	California Hazardous air pollutant Clean Air Act	<b>PEL</b>	Permissible Exposure Limit (OSHA)
<b>HMIS-A</b>	Safety Glasses	<b>PNs</b>	Peripheral Nervous System
<b>HMIS-B</b>	Safety glasses, gloves	<b>PP</b>	California Priority Pollutant under the Clean Water Act
<b>HMIS-C</b>	Safety glasses, gloves, chemical apron	<b>REL</b>	Recommended exposure limit (NIOSH)
<b>HMIS-D</b>	Face shield, gloves, chemical apron	<b>RT</b>	Upper Respiratory Tract
<b>HMIS-E</b>	Safety glasses, gloves, dust respirator	<b>Skin</b>	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
<b>HMIS-F</b>	Safety glasses, gloves, chemical apron, dust respirator	<b>SARA</b>	Superfund Amendments and Reauthorization Act
<b>HMIS-G</b>	Safety glasses, gloves, vapor respirator	<b>STEL</b>	Short Term Exposure Limit (15 minutes)
<b>HMIS-H</b>	Splash goggles, gloves, chemical apron, vapor respirator	<b>TC Lo</b>	Lowest concentration that is toxic to a given species in a given time
<b>HMIS-I</b>	Safety glasses, gloves, dust and vapor respirator	<b>TD Lo</b>	Lowest dose that is toxic to a given species
<b>HMIS-J</b>	Splash goggles, gloves, chemical apron, dust and vapor respirator	<b>TLV</b>	Threshold Limit Value (ACGIH)
<b>HMIS-K</b>	Air line hood or mask, gloves, full chemical suit, boots	<b>TP</b>	California Toxic Pollutant under the Clean Water Act
<b>HMIS-X</b>	Ask Supervisor	<b>TSCA</b>	Toxic Substances Control Act
<b>HS</b>	California Hazardous Substance under the Clean Water Act	<b>TWA</b>	Time Weighted Average (8 hours)
<b>KD</b>	Kidney Damage (nephropathy)	<b>UEL</b>	Upper Explosive Limit

Jet Stream Aviation Products

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Print Date 11/2/2015

Supersedes Safety Data Sheet Dated 10/2/2012