

SAFETY DATA SHEET					
<i>SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION</i>					
PRODUCT NAME:	AirBond			DATE PREPARED:	October 6, 2010
GENERAL USE:	Bonding resin			SUPPERSEDES:	***
PRODUCT DESCRIPTION:	Silane composition			TELEPHONE NUMBER:	+1 541 526-1417
				EMERGENCY TELEPHONE NUMBER:	+1 541 285 1283
MANUFACTURER'S NAME					
McConnell Labs, Inc.					
ADDRESS			TELEPHONE NUMBER:		
406 SW Umatilla Ave			+1 541 526-1417		
(CITY, STATE AND POSTAL CODE)		COUNTRY		EMERGENCY TELEPHONE NUMBER:	
Redmond, OR 97756		USA		+1 541 285 1283	
<i>SECTION 2 - HAZARDOUS INGREDIENTS</i>					
COMPONENTS	% (by weight)	CAS#	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 16)
Ethyl Acetate	90-95	141-78-6	205-500-4	Xi, F	R-36/38, R-11, R-66
methacryloxypropyltrimethoxysilane	5-10	2530-85-0	219-785-8	none	none
<p>b) Known to not be on the list of California Prop 65, Safe drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of doing business must warn others who may consume, come in contact with or otherwise be exposed to this chemical.</p> <p>c) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves or other appropriate equipment.</p>					
<i>SECTION 3 - HAZARDS IDENTIFICATION</i>					
EMERGENCY OVERVIEW					
Clear or pigmented liquid. Will support combustion. May cause complications if swallowed. Know allergen upon over exposure in some cases. Avoid skin contact. Inhalation of mist or liquid can cause respiratory irritation. Hazard symbols for the product - Xi Risk Phrases - R-36/38					
POTENTIAL HEALTH EFFECTS					
<p>INHALATION: No significant adverse health effects are expected to occur upon short-term exposure. Prolonged exposure to mists may cause an allergic reaction. Mists are defined as liquids that are in vaporous form. This would not be how the material is designed to be used or applied.</p> <p>SKIN: No allergic reaction is expected to occur upon short term exposure. Individuals who are known to have allergies to acrylics, acrylic acids, carboxylic acids, epoxy resins or other UV cured products should avoid skin contact.</p> <p>EYES: No adverse effects are known for this product upon short-term exposure to the eyes. It is best to avoid contact with the eye region and surrounding skin.</p> <p>INGESTION: Non-toxic material. May cause gastric distress, but this is highly unlikely. Do not induce vomiting if ingested. If vomiting occurs, avoid aspiration of vomitus into the lungs.</p>					
CARCINOGENICITY:	NTP?	NO	IARCH MONOGRAPHS?	NO	OSHA REGULATED?
Known to not be a carcinogen .					
<i>SECTION 4 - FIRST AID MEASURES</i>					
<p>INHALATION: In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention. There has never been any incidence of any inhalation incidence known to the manufacturer.</p> <p>SKIN: Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Particular attention should be paid to hair, nose, ears and other areas not easily cleaned. See section 8 . Note to physician: effects can be delayed 24-48 hours.</p>					

EYES: Flush with plenty of water for at least 15 minutes and seek medical attention.

INGESTION: If appreciable quantities are swallowed, seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product will support combustion. Products of combustion will include compounds of carbon, nitrogen and oxygen including carbon monoxide.

EXTINGUISHING MEDIA: Carbon dioxide, water fog, dry chemical and chemical foam.

FIRE FIGHTING PROCEDURES: Firefighters must wear a full-face self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will cause fire to scatter and spread fire. Fine water spray can be used to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers can explode due to build-up of pressure due to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes, oxides of carbon, nitrogen containing compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WILL SUPPORT COMBUSTION. Do not wash to sanitary sewer. All spills can be polymerized into a plastic with the use of UV light source: sunlight, UV light lamp. If no light source is readily available, use a trowel or shovel to gather the material into a container, transport to a UV light source and polymerize. Polymerized material can be disposed of in accordance with local, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use. Protect containers from abuse. Do not expose containers to UV light (including sunlight), peroxides or other free-radical reaction initiators. Do not expose material to temperatures in excess of 60 °C. Do not expose to open flame. This material will support combustion. Keep this material and all chemicals out of the reach of children. Avoid prolonged contact with skin, mucous membranes, eyes, open wounds,

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS:	NIOSH				ACGIH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Ethyl acetate	n/a	n/a	n/a	n/a	400	1440	n/a	n/a

PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 28 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Nitrile, neoprene, or latex. For large quantities, long neoprene glove are required with cuffs.

EYE PROTECTION: Safety glasses or splash goggles. For large exposure situations, a full-face splash shield is required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station.

WORK / HYGENIC PRACTICES: Always practice safe workplace habits. Minimize body contact with this as well as all chemicals in general.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Clear or pigmented liquid	VAPOR PRESSURE not applicable
pH not applicable	SPECIFIC GRAVITY (WATER = 1) 1.1
BOILING POINT / BOILING RANGE	SOLUBILITY IN WATER

not applicable	not soluble
FLASH POINT -4 C	VISCOSITY 20 cps
FLAMMABLE LIMITS not applicable	VAPOR DENSITY (AIR = 1) >1
AUTOIGNITION TEMPERATURE N/A	EVAPORATION RATE (WATER = 1) 4.1

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE X	UNSTABLE	CONDITIONS TO AVOID: Temperatures over 60 °C, open flame, UV light (including sunlight)
INCOMPATABILITY (MATERIALS TO AVOID): Strong oxidizers, peroxides, UV light sources, sunlight, temperatures over 60 °C and loss of inhibitor.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon, oxides of nitrogen, hydrocarbons, fumes and smoke may be produced.			
HAZARDOUS POLYMERIZATION	MAY OCCUR X	WILL NOT OCCUR	CONDITIONS TO AVOID: Temperatures over 60 °C, open flame, UV light (including sunlight)

SECTION 11 - TOXICOLOGICAL INFORMATION

SENSITIZATION:	May cause sensitization by skin contact
INHALATION:	Irritating to respiratory system
SKIN:	Irritating to skin
EYES:	Irritating to eyes

SECTION 12 - ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Use according to the rules of good practice. Do not dispose of in the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product: Chemicals must be disposed of in compliance with federal, state and local regulations.
Container: Container must be disposed of in accordance with federal, state and local regulations.
All liquid material should be exposed to UV light or any other free-radical reaction initiator

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Polyurethane prepolymer resin	IATA CLASS / Packing Group: Class 3, PG II
DOT HAZARD CLASS / Packing Group: Class 3, PG II	IMDG HAZARD CLASS: 3
REFERENCE: Not Applicable	RID / ADR Dangerous Goods Code: Not Regulated
UN/NA ID NUMBER: UN 1173	UN TDG Class/ Pack Group: II
LABEL: Flammable Liquid	Hazard Identification Number (HIN): Not Regulated
HAZARD SYMBOLS: Flammable Liquid	

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EU, United Nations TDG and WHIMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)
311 / 312 Hazard Categories: None
313 Reporable Ingredients: None

CERCLA (USA - Comprehensive Response and Liability Act) : None
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
There is nothing known to the State of California to cause cancer or reproductive toxicity.

CFR (Canadian Controlled Products Regulations):
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations. WHIMIS Classification: None

IDL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)


Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Index: 1

VbK Index: AIII

<p>RISK PHRASES:</p> <p>R-36/38 Irritating to eyes and skin</p> <p>R-11 Highly Flammable</p> <p>R-66 Repeated exposure may cause skin dryness or cracking</p>	<p>SYMBOL(S) REQUIRED FOR LABEL</p> <p>FLAMMABLE</p> 	<p>SAFETY PHRASES:</p> <p>S-24/25 Avoid contact with skin and eyes.</p> <p>S-2 Keep out of the reach of children</p> <p>S-26 In case of contact with eyes, rinse immediately</p> <p>S-41 In case of fire and/or explosion, donot breath fumes</p>
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EU DIRECTIVES: DIRECTIVE 91/155/EEC amended by Drirective 93/112/EEC and Directive 2001/58/EC : Safety Data Sheets
 Dangerous preparations: Directive 1999/45/EC amended by Directive 2001/60/EC - OJEC L226 - 22/08/2001 and Directive 2006/08/EC - 24/01/2006.
 Commission Directive 2004/73/EC of 29 April 2004 adapting to technical progress for the 29th time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal L216 - 16/06/2004).

SECTION 16 - OTHER INFORMATION

EXPLANATIONS TO R-PHRASES IN SECTION 2:

- R-36/38 Irritating to eyes and skin.
- R-43 May cause sensitization by skin contact.