


# Material Safety Data Sheet

HMIS (U.S.A.)	HCS Risk Phrases	Protective Clothing								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00b0f0; color: white;">Health Hazard</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">1</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">Fire Hazard</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">0</td> </tr> <tr> <td style="background-color: #ffff00;">Reactivity</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">0</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">a</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	a	<p><b>Not controlled under the HCS (United States).</b></p>	
Health Hazard	1									
Fire Hazard	0									
Reactivity	0									
Personal Protection	a									

Section I. Chemical Product and Company Identification		
<b>Common Name/ Trade Name</b>	<b>Craigbond 3425B</b>	<b>Code</b> 3425B:MS
<b>Supplier</b>	Craig Adhesives & Coatings 80 Wheeler Point Rd. Newark, NJ 07105 (973) 344-1483	<b>In case of Emergency</b> Craig: (973) 344-1483 Chemtrec: (800) 424-9300
<b>Synonym</b>	Remoistenable Adhesive	
<b>Chemical Name</b>	Water Based Adhesive	
<b>Chemical Family</b>	Compounded Synthetic Resin Emulsion	
<b>Chemical Formula</b>	Proprietary	
<b>Manufacturer</b>	Craig Adhesives & Coatings 80 Wheeler Point Rd. Newark, NJ 07105 (973) 344-1483	<b>Material Uses</b> See Technical Data Sheet.

Section II. Hazardous Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Vinyl acetate	108-05-4	0-0.3	TWA: 10 STEL: 20 (ppm) from OSHA (PEL) TWA: 10 STEL: 20 (ppm) from ACGIH (TLV)	ORAL (LD50): Acute: 2920 mg/kg [Rat]. 1613 mg/kg [Mouse]. DERMAL (LD50): Acute: 2335 mg/kg [Rabbit].

Section III. Hazards Identification	
<b>Potential Acute Health Effects</b>	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Non-sensitizer for skin.
<b>Potential Chronic Health Effects</b>	<p>Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.</p> <p><b>CARCINOGENIC EFFECTS:</b> Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC [Vinyl acetate].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Not available.</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not toxic.</p> <p>The substance is not toxic to blood, kidneys, lungs, the nervous system, liver, , .</p> <p>Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p>

**Section IV. First Aid Measures**

<b>Eye Contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Hazardous Skin Contact</b>	No additional information.
<b>Inhalation</b>	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
<b>Hazardous Inhalation</b>	No additional information.
<b>Ingestion</b>	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	No additional information.

**Section V. Fire and Explosion Data**

<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Not applicable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	No additional remark.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

**Section VI. Accidental Release Measures**

<b>Small Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary: <b>Neutralize the residue with a dilute solution of acetic acid.</b>
<b>Large Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. <b>Neutralize the residue with a dilute solution of acetic acid.</b> Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**Section VII. Handling and Storage**

<b>Precautions</b>	Keep locked up. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
<b>Storage</b>	Keep container tightly closed. Keep in a cool and well-ventilated area. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

**Section VIII. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	Safety glasses. Lab coat.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
<b>Exposure Limits</b>	<p><b>Vinyl acetate</b>  TWA: 10 STEL: 20 (ppm) from OSHA (PEL)  TWA: 10 STEL: 20 (ppm) from ACGIH (TLV)</p> <p>Consult local authorities for acceptable exposure limits.</p>

**Section IX. Physical and Chemical Properties**

<b>Physical state and appearance</b>	Liquid. (Emulsion liquid.)	<b>Odor</b>	Slight.
<b>pH(1% soln/water)</b>	Basic.	<b>Color</b>	White, dries clear.
<b>Boiling Point</b>	The lowest known value is 100°C (212°F) (747:MS). Weighted average: 100°C (212°F)		
<b>Melting Point</b>	May start to solidify at 0°C (32°F) based on data for: Water.		
<b>Specific Gravity</b>	Weighted average: 1.04 (Water = 1)		
<b>Vapor Pressure</b>	The highest known value is 17.535 mm of Hg (@ 20°C) (Water).		
<b>Vapor Density</b>	The highest known value is 0.62 (Air = 1) (Water).		
<b>Volatility</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Evaporation rate</b>	<1 (747:MS).compared to Butyl acetate = 1		
<b>Viscosity</b>	1200-1300 cps (Brookfield, 20 rpm, #4 spindle, 77F)		
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in water.		
<b>Solubility</b>	Easily soluble in cold water, hot water.		

**Section X. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	No additional remark.
<b>Incompatibility with various substances</b>	Slightly reactive to reactive with oxidizing agents.
<b>Corrosivity</b>	Non-corrosive in presence of glass.
<b>Special Remarks on Reactivity</b>	No additional remark.

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**Special Remarks on Corrosivity** No additional remark.

### Section XI. Toxicological Information

**Routes of Entry** None

**Toxicity to Animals** Acute oral toxicity (LD50): 2920 mg/kg [Rat]. (747:MS).  
Acute dermal toxicity (LD50): 2335 mg/kg [Rabbit]. (747:MS).

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified A3 (Proven for animal.) by ACGIH [ Vinyl acetate].  
**DEVELOPMENTAL TOXICITY:** Not toxic.  
The substance is not toxic to blood, kidneys, lungs, the nervous system, liver, , .

**Other Toxic Effects on Humans** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.  
Non-sensitizer for skin.

**Special Remarks on Toxicity to Animals** No additional remark.

**Special Remarks on Chronic Effects on Humans** No additional remark.

**Special Remarks on other Toxic Effects on Humans** No additional remark.

### Section XII. Ecological Information

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

**Products of Biodegradation** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation** No additional remark.

### Section XIII. Disposal Considerations

**Waste Disposal** Recycle to process, if possible. Consult your local or regional authorities.

### Section XIV. Transport Information

**DOT Classification** Not a DOT controlled material (United States).

**Propper Shipping Name** Not applicable.

**DOT Identification Number** Not applicable.

**Packing Group** Not applicable.

**Hazardous Sybstances Reportable Quantity** Not available.

**Special Provisions for Transport** Not applicable.

**DOT (Pictograms)**



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**Section XV. Other Regulatory Information and Pictograms**

**Federal and State Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: **Formaldehyde**;  
 CERCLA hazardous substances: **Magnesium Nitrate**;  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 313 toxic chemical notification and release reporting: **Vinyl acetate; Methyl alcohol**;  
 Massachusetts RTK: No products were found.  
 Pennsylvania RTK: **Nitric Acid, magnesium salt**;  
 Florida: No products were found.  
 Minnesota: No products were found.  
 New Jersey: **Magnesium Nitrate**;

**Other Classifications**

<b>WHMIS (Canada)</b>	WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
<b>DSCL (EEC)</b>	R40- Possible risks of irreversible effects.

**National Fire Protection Association (U.S.A.)**

Health		Fire Hazard
		Reactivity
		Specific hazard

**WHMIS (Canada) (Pictograms)**



**DSCL (Europe) (Pictograms)**



**TDG (Canada) (Pictograms)**



**ADR (Europe) (Pictograms)**



**Section XVI. Other Information**

**Other Special Considerations** Information on Hazardous Ingredients is listed in Section II. Toxic chemicals at <1.0% and OSHA carcinogens at <0.1% are not specifically identified.

**Validated by Craig Adhesives and Coatings on 1/29/2004.**

**Verified by Craig Adhesives and Coatings.**

**Printed 1/29/2004.**

**Notice to Reader**

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