


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;">2</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;">1</td> </tr> <tr> <td style="background-color: #ffff00;">Reactivity</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">1</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">B</td> </tr> </table>	Health Hazard	2	Fire Hazard	1	Reactivity	1	Personal Protection	B	<p>Not controlled under the HCS (United States).</p>	
Health Hazard	2									
Fire Hazard	1									
Reactivity	1									
Personal Protection	B									

Section I. Chemical Product and Company Identification			
Common Name/ Trade Name	Craigcoat 1000J	Code	1000J:WH
Supplier	Craig Adhesives & Coatings 80 Wheeler Point Rd. Newark, NJ 07105 (973) 344-1483	In case of Emergency	Craig: (973) 344-1483 Chemtrec: (800) 424-9300
Synonym	UV Coating		
Chemical Name	Radiation Curable Overprint Varnish		
Chemical Family	Compounded Acrylate Monomer/Oligomer Blend		
Chemical Formula	Proprietary		
Manufacturer	Craig Adhesives & Coatings 80 Wheeler Point Rd. Newark, NJ 07105 (973) 344-1483	Material Uses	See Technical Data Sheet.

Section II. Hazardous Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Triethanolamine	102-71-6	1-5	TWA: 5 (mg/m ³) from ACGIH (TLV)	ORAL (LD50): Acute: 2000 mg/kg [Rat]. DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].

Section III. Hazards Identification	
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin.
Potential Chronic Health Effects	Hazardous in case of skin contact (irritant), of eye contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. Non-hazardous in case of ingestion. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

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Section IV. First Aid Measures

Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
Skin Contact	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. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.
Ingestion	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.
Hazardous Ingestion	No additional information.

Section V. Fire and Explosion Data

Auto-Ignition Temperature	Not available.
Flash Points	CLOSED CUP: Higher than 93.3°C (200°F).
Flammable Limits	The greatest known range is LOWER: 1% UPPER: 10% (Triethanolamine)
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	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. Explosive in presence of heat.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated. (1922:WH)
Special Remarks on Explosion Hazards	No additional remark.

Section VI. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Neutralize the residue with a dilute solution of acetic acid. 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

Precautions	Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. 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. Keep away from incompatibles such as acids.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. 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

Engineering Controls	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.
Personal Protection	Safety glasses. Lab coat.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	<p>Triethanolamine TWA: 5 (mg/m³) from ACGIH (TLV)</p> <p>Petroleum Hydrocarbons TWA: 5 (mg/m³) from OSHA (PEL) INHALATION TWA: 5 (mg/m³) from ACGIH (TLV) INHALATION</p> <p>Consult local authorities for acceptable exposure limits.</p>

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Acrylate
pH(1% soln/water)	Basic.	Color	Colorless to pale amber
Boiling Point	The lowest known value is 80°C (176°F) (1879:wh). Weighted average: 154.63°C (310.3°F)		
Melting Point	May start to solidify at 50°C (122°F) based on data for: 1922:WH. Weighted average: 47.33°C (117.2°F)		
Specific Gravity	Weighted average: 1.15 (Water = 1)		
Vapor Pressure	The highest known value is 0.1 mm of Hg (@ 20°C) (1541:WH). Weighted average: 0.06 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 5.3 (Air = 1) (Triethanolamine).		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	5000-1000 cps (Brookfield, #4 spindle, 20 rpm, 77F)		
Water/Oil Dist. Coeff.	Not available.		
Solubility	Soluble in methanol, diethyl ether, acetone.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Excessive Heat
Incompatibility with various substances	Reactive with acids. Slightly reactive to reactive with oxidizing agents, alkalis.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
Special Remarks on Reactivity	No additional remark.
Special Remarks on Corrosivity	No additional remark.

Section XI. Toxicological Information

Routes of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation.
Toxicity to Animals	Acute oral toxicity (LD50): >500 mg/kg [Rat]. (1541:WH). Acute dermal toxicity (LD50): 2000 mg/kg [Rabbit]. (1922:WH).
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive 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.
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Section XIV. Transport Information

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

Propper Shipping Name Not applicable.

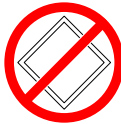
DOT Identification Number Not applicable.

Packing Group Not applicable.

Hazardous Sybstances Reportable Quantity Not available.

Special Provisions for Transport Not applicable.

DOT (Pictograms)



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: Acetaldehyde; Toluene

CERCLA hazardous substances: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Massachusetts RTK: Acetaldehyde

Pennsylvania RTK: 2-Hydroxy-2-methyl-1-phenyl-1-propanone; **Triethanolamine**; Polyalkylene glycol

Florida: No products were found.

Minnesota: No products were found.

New Jersey: 2-Hydroxy-2-methyl-1-phenyl-1-propanone

Other Classifications **WHMIS (Canada)** Not a WHMIS controlled material.

DSCL (EEC) R21/22- Harmful in contact with skin and if swallowed.

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 7/10/2008.

Verified by Craig Adhesives and Coatings.

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