


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

Section I. Chemical Product and Company Identification			
Common Name/ Trade Name	Craigcoat 1021DF	Code	1021DF: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 Release 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
Silane, dimethyldichloro-, reaction product with silica	68611-44-9	1-5	TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV)	ORAL (LD50): Acute: 5000 mg/kg [Rat].

Section III. Hazards Identification	
Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion. Non-permeator by skin.
Potential Chronic Health Effects	Hazardous in case of skin contact (irritant). 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	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. WARM water MUST be used. DO NOT use an eye ointment. Seek medical attention.
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	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
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. Slightly explosive to 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	No additional remark.
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 sodium carbonate.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.

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. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.
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. Gloves (impervious).
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	Silane, dimethyldichloro-, reaction product with silica TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV) Consult local authorities for acceptable exposure limits.

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Acrylate
pH(1% soln/water)	Not available.	Color	Colorless to pale amber
Boiling Point	The lowest known value is 80°C (176°F) (1879:wh).		
Melting Point	May start to solidify at 4°C (39.2°F) based on data for: 1879:wh.		
Specific Gravity	Weighted average: 1.13 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	The highest known value is <1 (Air = 1) (2274:wh).		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	<1 (2274:wh).compared to Butyl acetate = 1		
Viscosity	1500-1900 cps (Brookfield, 20 rpm, #4 spindle, 77°F)		
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	No additional remark.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, acids, alkalis.

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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	Eye contact. Inhalation.
Toxicity to Animals	Acute oral toxicity (LD50): 1376 mg/kg [Rat]. (1879:wh). Acute dermal toxicity (LD50): 5000 mg/kg [Rat]. (1957:WH).
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion. Non-permeator by 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.

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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: No products were found.

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: No products were found.

Pennsylvania RTK: 2-Hydroxy-2-methyl-1-phenyl-1-propanone

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 controlled under WHMIS (Canada).

DSCL (EEC) R22- Harmful if ingested.
R36- Irritating to eyes.

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

Health



Fire Hazard

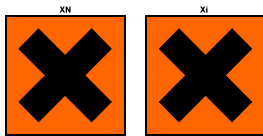
Reactivity

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 1/7/2004.

Verified by Craig Adhesives and Coatings.

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