


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;">2</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	2	Reactivity	1	Personal Protection	B	<p>HCS CLASS: Flammable liquid.</p>	
Health Hazard	2									
Fire Hazard	2									
Reactivity	1									
Personal Protection	B									

Section I. Chemical Product and Company Identification			
Common Name/ Trade Name	Craigseal 2700AM	Code	2700AM: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	Gold Scratch-Off Coating		
Chemical Name	Solvent based pigmented coating.		
Chemical Family	Pigmented Polymer Dispersion		
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
Xylene	1330-20-7	1-5	TWA: 100 (ppm) from OSHA (PEL) TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)	ORAL (LD50): Acute: 4300 mg/kg [Rat]. 6100 mg/kg [Rat].
Solvent naphtha (petroleum), light aliphatic	8032-32-4	20-40	TWA: 400 (ppm) from ACGIH (TLV) TWA: 400 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 17500 mg/kg [Rat]. DERMAL (LD50): Acute: 3500 mg/kg [Rabbit]. VAPOR (LC50): Acute: 14000 ppm 4 hour(s) [Rat].
Light aromatic solvent naphtha (petroleum)	64742-95-6	20-40	TWA: 400 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 4000 mg/kg [Rat].
Copper	7440-50-8	20-40	TWA: 1 (mg/m ³) from ACGIH (TLV) TWA: 1 (mg/m ³) from OSHA (PEL)	Not available.
Zinc	7440-66-6	5-10	TWA: 10 (mg/m ³) from ACGIH (TLV)	Not available.
Aluminum	7429-90-5	1-5	TWA: 10 (mg/m ³) from OSHA (PEL) TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV)	Not available.

Continued on Next Page

Section III. Hazards Identification

Potential Acute Health Effects Hazardous in case of ingestion, of inhalation.

Potential Chronic Health Effects Slightly hazardous in case of inhalation.
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.

Section IV. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact Wash with soap and water. Get medical attention if irritation develops.

Hazardous Skin Contact No additional information.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Hazardous Inhalation Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Hazardous Ingestion No additional information.

Section V. Fire and Explosion Data

Auto-Ignition Temperature The lowest known value is 464°C (867.2°F) (Xylene).

Flash Points The lowest known value is CLOSED CUP: 13.889°C (57°F). (Solvent naphtha (petroleum), light aliphatic)

Flammable Limits The greatest known range is LOWER: 1% UPPER: 7% (Xylene)

Products of Combustion These products are carbon oxides (CO, CO₂). Some metallic oxides.

Fire Hazards in Presence of Various Substances Flammable in presence of moisture.
Slightly flammable to flammable in presence of open flames and sparks, of heat.
Non-flammable in presence of oxidizing 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.
No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.

Fire Fighting Media and Instructions Flammable liquid, insoluble in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire.

Special Remarks on Fire Hazards Fine powder forms flammable and explosive mixtures in air. (Aluminum)

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.
Large Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Section VII. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. 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	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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. Impervious gloves. Vapor respirator.
Personal Protection in Case of a Large Spill	Vapor respirator. Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	<p>Xylene TWA: 100 (ppm) from OSHA (PEL) TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)</p> <p>Ethylbenzene TWA: 100 (ppm) from OSHA (PEL) TWA: 100 STEL: 125 (ppm) from ACGIH (TLV)</p> <p>Solvent naphtha (petroleum), light aliphatic TWA: 400 (ppm) from ACGIH (TLV) TWA: 400 (ppm) from OSHA (PEL)</p> <p>Light aromatic solvent naphtha (petroleum) TWA: 400 (ppm) from OSHA (PEL)</p> <p>Copper TWA: 1 (mg/m³) from ACGIH (TLV) TWA: 1 (mg/m³) from OSHA (PEL)</p> <p>Zinc TWA: 10 (mg/m³) from ACGIH (TLV) TWA: 10 (mg/m³) from OSHA (PEL)</p> <p>Aluminum TWA: 15 (mg/m³) from OSHA (PEL) TWA: 10 (mg/m³) from ACGIH (TLV)</p> <p>Consult local authorities for acceptable exposure limits.</p>

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Hydrocarbon.
pH(1% soln/water)	Not applicable.	Color	Gold
Boiling Point	The lowest known value is 138.5°C (281.3°F) (Xylene). Weighted average: 160.95°C (321.7°F)		
Melting Point	Not available.		
Specific Gravity	Weighted average: 1.26 (Water = 1)		
Vapor Pressure	The highest known value is 0.8 kPa (6 mmHg) (at 20°C) (Xylene). Weighted average: 0.51 kPa (3.83 mmHg) (at 20°C)		
Vapor Density	The highest known value is 4.3 (Air = 1) (Light aromatic solvent naphtha (petroleum)). Weighted average: 4.27 (Air = 1)		
Volatility	Not available.		
Odor Threshold	The highest known value is 0.3 ppm (Xylene)		
Evaporation rate	Not available.		
Viscosity	1400 CPS (Brookfield, 20 rpm, #4 spindle, 77°F)		
Water/Oil Dist. Coeff.	Not available.		
Solubility	Insoluble in cold water, hot water.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, acids.
Corrosivity	Not available.
Special Remarks on Reactivity	Air sensitive. (Aluminum)
Special Remarks on Corrosivity	No additional remark.

Section XI. Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4000 mg/kg [Rat]. (Light aromatic solvent naphtha (petroleum)). Acute dermal toxicity (LD50): 3500 mg/kg [Rabbit]. (Light aliphatic solvent naphtha (petroleum)). Acute toxicity of the vapor (LC50): 14000 ppm 4 hour(s) [Rat]. (Light aliphatic solvent naphtha (petroleum)).
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	Human: passes through the placenta, excreted in maternal milk. (Copper)

Continued on Next Page

Special Remarks on other Toxic Effects on Humans Material is irritating to mucous membranes and upper respiratory tract. (Aluminum)

Section XII. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation These products are carbon oxides (CO, CO₂) and water. Some metallic oxides.

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

Special Remarks on the Products of Biodegradation Not available.

Section XIII. Disposal Considerations

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

Section XIV. Transport Information

DOT Classification DOT CLASS 3: Flammable liquid.

Propper Shipping Name 1263 Paints or Materials related to paints.

DOT Identification Number UN1263

Packing Group III IATA DGR 3.3.3 Determination Method

Hazardous Sybstances Reportable Quantity Not available.

Special Provisions for Transport No additional remark.

DOT (Pictograms)



Section XV. Other Regulatory Information and Pictograms

Federal and State Regulations

California prop. 65: No products were found.

CERCLA hazardous substances: **Xylene; Ethylbenzene;**

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

SARA 313 toxic chemical notification and release reporting: **Xylene; Ethylbenzene; Light aromatic solvent naphtha (petroleum); Copper; Zinc; Aluminum;**

Massachusetts RTK: No products were found.

Pennsylvania RTK: No products were found.

Florida: No products were found.

Minnesota: No products were found.

New Jersey: **Tetrakis(methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate));**

Other Classifications	WHMIS (Canada) Class D-2A: Material causing other toxic effects (VERY TOXIC).
	DSCL (EEC) This product is not classified according to the EU regulations.

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

Health

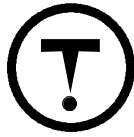


Fire Hazard

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 1/21/2004.

Verified by Craig Adhesives and Coatings.

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