


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; border: 1px solid black; border-radius: 50%; width: 30px;">2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">Fire Hazard</td> <td style="text-align: center; border: 1px solid black; border-radius: 50%; width: 30px;">2</td> </tr> <tr> <td style="background-color: #ffff00;">Reactivity</td> <td style="text-align: center; border: 1px solid black; border-radius: 50%; width: 30px;">1</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center; border: 1px solid black; border-radius: 50%; width: 30px;">B</td> </tr> </table>	Health Hazard	2	Fire Hazard	2	Reactivity	1	Personal Protection	B	HCS CLASS: Flammable liquid	
Health Hazard	2									
Fire Hazard	2									
Reactivity	1									
Personal Protection	B									

Section I. Chemical Product and Company Identification			
Common Name/ Trade Name	Craigseal 2500HS	Code	2500HS: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	Silver 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
Light aromatic solvent naphtha (petroleum)	64742-95-6	5-10	TWA: 400 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 4000 mg/kg [Rat]. Not available.
Aluminum	7429-90-5	5-10	TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV)	
Solvent naphtha (petroleum), light aliphatic	8032-32-4	10-20	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]. Not available.
Quartz	14808-60-7	1-5	TWA: 0.1 (mg/m ³) from OSHA (PEL) INHALATION TWA: 0.1 (mg/m ³) from ACGIH (TLV) INHALATION	

Section III. Hazards Identification	
Potential Acute Health Effects	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

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Potential Chronic Health Effects	<p>Slightly hazardous in case of inhalation. Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. 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.</p>
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Section IV. First Aid Measures

Eye Contact	NO known EFFECT on eye contact, rinse with water for a few minutes.
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	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. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
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	The lowest known value is 254.4°C (489.9°F) (1805:wh).
Flash Points	The lowest known value is CLOSED CUP: 13.889°C (57°F). (Solvent naphtha (petroleum), light aliphatic)
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	Flammable in presence of moisture. Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of combustible 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	Flammable liquid, insoluble in water. 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. Eliminate all sources of ignition. Call for assistance on disposal. 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. Ground all equipment containing material. DO NOT ingest. Do not breathe gas, fumes, vapor or 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	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. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	<p>Light aromatic solvent naphtha (petroleum) TWA: 400 (ppm) from OSHA (PEL)</p> <p>Aluminum TWA: 15 (mg/m³) from OSHA (PEL) TWA: 10 (mg/m³) from ACGIH (TLV)</p> <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>Quartz TWA: 0.1 (mg/m³) from OSHA (PEL) INHALATION TWA: 0.1 (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	Naphtha
pH(1% soln/water)	Not applicable.	Color	Light to dark silver
Boiling Point	The lowest known value is 162°C (323.6°F) (Light aromatic solvent naphtha (petroleum)). Weighted average: 185.41°C (365.7°F)		
Melting Point	Not available.		
Specific Gravity	Weighted average: 1.7 (Water = 1)		
Vapor Pressure	The highest known value is 3.5 mm of Hg (@ 20°C) (Light aromatic solvent naphtha (petroleum)).		
Vapor Density	The highest known value is 4.3 (Air = 1) (1805:wh). Weighted average: 2.52 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	2200 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	No additional remark.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, reducing agents, acids.
Corrosivity	Non-corrosive in presence of glass, of stainless steel(304), of stainless steel(316).
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	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4000 mg/kg [Rat]. (Light aromatic solvent naphtha (petroleum)). Acute dermal toxicity (LD50): 3500 mg/kg [Rabbit]. (Solvent naphtha (petroleum), light aliphatic). Acute toxicity of the vapor (LC50): 14000 ppm 4 hour(s) [Rat]. (Solvent naphtha (petroleum), light aliphatic).
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).
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

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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	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	DOT CLASS 3: Flammable liquid.
Proper Shipping Name	1263 Paints or Materials related to paints.
DOT Identification Number	UN 1263
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: 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: **Xylene; Ethylbenzene;**

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

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

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-hydroxyhydrocinamate)), Carbon black, Quartz

Other Classifications	WHMIS (Canada) WHMIS CLASS B-2: Flammable liquid
	DSCL (EEC)

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R11- Highly flammable.

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 9/29/2008.

Verified by Craig Adhesives and Coatings.

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