


# 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; padding: 2px;">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; padding: 2px;">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; padding: 2px;">Reactivity</td> <td style="text-align: center; border: 1px solid black; border-radius: 50%; width: 30px;">0</td> </tr> <tr> <td style="padding: 2px;">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	0	Personal Protection	B	<p><b>HCS CLASS:</b> Flammable liquid having a flash point lower than 37.8°C (100°F).</p>	
Health Hazard	2									
Fire Hazard	2									
Reactivity	0									
Personal Protection	B									

<b>Section I. Chemical Product and Company Identification</b>			
<b>Common Name/ Trade Name</b>	<b>Craigseal 2500LMS</b>	<b>Code</b>	2500LMS:WH
<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>	Black Scratch Off Coating		
<b>Chemical Name</b>	Solvent based pigmented coating.		
<b>Chemical Family</b>	Pigmented Polymer Dispersion		
<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.

<b>Section II. Hazardous Ingredients</b>				
Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Light aromatic solvent naphtha (petroleum)	64742-95-6	20-40	TWA: 25 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 4000 mg/kg [Rat].
Solvent naphtha petroleum, medium aliphatic	64742-88-7	10-20	Not available.	Not available.
Solvent naphtha (petroleum), light aliphatic	8032-32-4	1-5	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].
Carbon black	1333-86-4	1-5	TWA: 3.5 (mg/m <sup>3</sup> ) from OSHA (PEL) INHALATION TWA: 3.5 CEIL: 7 (mg/m <sup>3</sup> ) from ACGIH INHALATION	ORAL (LD50): Acute: >8000 mg/kg [Rat].
Quartz	14808-60-7	5-10	TWA: 0.1 (mg/m <sup>3</sup> ) from OSHA (PEL) INHALATION TWA: 0.1 (mg/m <sup>3</sup> ) from ACGIH (TLV) INHALATION	Not available.

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**Section III. Hazards Identification**

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

**Section IV. First Aid Measures**

<b>Eye Contact</b>	NO known EFFECT on eye contact, rinse with water for a few minutes.
<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. 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>	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. <b>WARNING:</b> 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.
<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 available.
<b>Flash Points</b>	The lowest known value is CLOSED CUP: 13.889°C (57°F). (Solvent naphtha (petroleum), light aliphatic)
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of heat. Slightly flammable to flammable in presence of open flames and sparks.
<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>	Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.
<b>Special Remarks on Fire Hazards</b>	No additional remark.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

Continued on Next Page

**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 sodium carbonate.</b>
<b>Large Spill</b>	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. <b>Neutralize the residue with a dilute solution of sodium carbonate.</b> 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. 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. 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. Gloves (impervious).
<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>Light aromatic solvent naphtha (petroleum)</b> TWA: 25 (ppm) from OSHA (PEL)</p> <p><b>Xylene</b> TWA: 100 (ppm) from OSHA (PEL) TWA: 100 STEL: 150 (ppm) from ACGIH (TLV)</p> <p><b>Solvent naphtha (petroleum), light aliphatic</b> TWA: 400 (ppm) from ACGIH (TLV) TWA: 400 (ppm) from OSHA (PEL)</p> <p><b>4-methyl-2,6-di-tert-butyl-phenol</b> TWA: 10 (mg/m<sup>3</sup>) from ACGIH (TLV) TWA: 10 (mg/m<sup>3</sup>) from OSHA</p> <p><b>Carbon black</b> TWA: 3.5 (mg/m<sup>3</sup>) from OSHA (PEL) INHALATION TWA: 3.5 CEIL: 7 (mg/m<sup>3</sup>) from ACGIH INHALATION</p> <p><b>Quartz</b> TWA: 0.1 (mg/m<sup>3</sup>) from OSHA (PEL) INHALATION TWA: 0.1 (mg/m<sup>3</sup>) from ACGIH (TLV) INHALATION</p> <p>Consult local authorities for acceptable exposure limits.</p>

**Section IX. Physical and Chemical Properties**

<b>Physical state and appearance</b>	Liquid.	<b>Odor</b>	Naphtha
pH(1% soln/water)	Acidic.	<b>Color</b>	Black
<b>Boiling Point</b>	The lowest known value is 162°C (323.6°F) (Light aromatic solvent naphtha (petroleum)). Weighted average: 164.2°C (327.6°F)		
<b>Melting Point</b>	Not available.		
<b>Specific Gravity</b>	Weighted average: 0.99 (Water = 1)		
<b>Vapor Pressure</b>	The highest known value is 5 mm of Hg (@ 20°C) (Solvent naphtha petroleum, medium aliphatic). Weighted average: 4.07 mm of Hg (@ 20°C)		
<b>Vapor Density</b>	The highest known value is 4.3 (Air = 1) (Light aromatic solvent naphtha (petroleum)).		
<b>Volatility</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Evaporation rate</b>	0.27 (Solvent naphtha petroleum, medium aliphatic).compared to Butyl acetate = 1		
<b>Viscosity</b>	2200-2700 CPS (Brookfield, 20 rpm, #4 spindle, 77°F)		
<del>Water/Oil Dist. Coeff.</del>	Not available.		
<b>Solubility</b>	Insoluble in cold 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>	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
<b>Special Remarks on Reactivity</b>	No additional remark.
<b>Special Remarks on Corrosivity</b>	No additional remark.

**Section XI. Toxicological Information**

<b>Routes of Entry</b>	None
<b>Toxicity to Animals</b>	<b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b> 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).
<b>Chronic Effects on Humans</b>	Not available.
<b>Other Toxic Effects on Humans</b>	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

Continued on Next Page

**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** DOT CLASS 3: Flammable liquid.

**Proper Shipping Name** 1263 Paints or Materials related to paints.


**DOT Identification Number** UN1263

**Packing Group** III IATA DGR 3.3.3 Determination Method

**Hazardous Substances 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); 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: **Carbon black; Quartz;**

<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	WHMIS CLASS B-2: Flammable liquid
	<b>DSCL (EEC)</b>	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.

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