


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;">1</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;">0</td> </tr> <tr> <td style="background-color: #ffff00;">Reactivity</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">0</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center; font-weight: bold; font-size: 1.2em;">G</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	G	<p>Not controlled under the HCS (United States).</p>	
Health Hazard	1									
Fire Hazard	0									
Reactivity	0									
Personal Protection	G									

Section I. Chemical Product and Company Identification			
Common Name/ Trade Name	Developmental 04C059	Code	04C059: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	Black Water-Based Scratch Off Coating.		
Chemical Name	Water 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
No hazardous ingredient.				

Section III. Hazards Identification	
Potential Acute Health Effects	
Potential Chronic Health Effects	Slightly hazardous in case of skin contact (irritant). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not toxic.

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	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Hazardous Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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Hazardous Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Hazardous Ingestion	Not available.

Section V. Fire and Explosion Data

Auto-Ignition Temperature	The lowest known value is 410°C (770°F) (Propylene glycol).
Flash Points	The lowest known value is Closed cup: 103°C (217.4°F). (Pensky-Martens.). (Propylene glycol)
Flammable Limits	The greatest known range is LOWER: 2.6% UPPER: 12.5% (Propylene glycol)
Products of Combustion	Not applicable.
Fire Hazards in Presence of Various Substances	Not available.
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.
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	Not available.
Special Remarks on Explosion Hazards	Not available.

Section VI. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section VII. Handling and Storage

Precautions	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 breathe gas/fumes/vapor/spray.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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 occupational exposure limits. 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	Not available.

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Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Slight.
pH(1% soln/water)	Basic.	Color	Black (Dark.)
Boiling Point	The lowest known value is 100°C (212°F) (water). Weighted average: 111.72°C (233.1°F)		
Melting Point	May start to solidify at 0°C (32°F) based on data for: water. Weighted average: -10.99°C (12.2°F)		
Specific Gravity	Weighted average: 1.19 (Water = 1)		
Vapor Pressure	The highest known value is 2.3 kPa (17.5 mmHg) (at 20°C) (water). Weighted average: 1.96 kPa (14.7 mmHg) (at 20°C)		
Vapor Density	The highest known value is 2.62 (Air = 1) (Propylene glycol). Weighted average: 0.92 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	2200-2700 CPS (Brookfield, 20 rpm, #4 spindle, 77°F)		
Water/Oil Dist. Coeff.	The product is insoluble in water and octanol.		
Solubility	Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with hydrogen fluoride. (Silicon dioxide)
Special Remarks on Corrosivity	Not available.

Section XI. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Not considered to be toxic for humans.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Silicon dioxide)

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Section XII. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO2) and water.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
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.
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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: 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: Glycol ether.

Massachusetts RTK: No products were found.

Pennsylvania RTK: Glycol ether, Propylene Glycol.

Florida: No products were found.

Minnesota: No products were found.

New Jersey: Siloxane polyalkyleneoxide copolymer, Polyalkylene oxide; Glycol ether, Propylene Glycol.

Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada).
	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)



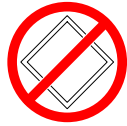
DSCL (Europe) (Pictograms)



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 10/1/2008.

Verified by Craig Adhesives and Coatings.

Printed 10/1/2008.

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