

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name Rough Surface Paint Crayon	Product Code PC20702 to PC20712 (See p. 7)
Product Use Paint crayon for marking rough surfaces such as concrete, castings, forgings or lumber, from -50 to 150°F (-46 to 66°C).	
Manufacturer / Supplier Carmel Group Inc. 10220 Armand Lavergne, Montréal, Québec, Canada, H1H 3N4	Phone : 514-270-5377 Fax : 514-270-2025 Internet : www.carmelindustries.com
Emergency Phone Number (USA & Canada) CHEMTREC (USA) : 800-424-9300 CHEMTREC (International) : 1-703-527-3887 CANUTEC (Canada) : 613-996-666	
MSDS Issue Date : Dec 3, 2009	MSDS Version : 2.01

SECTION 2 – HAZARD IDENTIFICATION

2.1 Emergency Overview

Appearance/Odour : Solid cylindrical crayons of various colours. They have a characteristic painty odour.

Description : This product is not expected to present any unusual hazards if properly used. Can however be a combustion hazard in certain condition as waste soaked with this product may spontaneously catch fire if they are improperly discarded.

2.2 OSHA & WHMIS Status

Not a controlled or hazardous material as defined by U.S. OSHA HCS (29 CFR 1910.1200). Not considered to be hazardous material as defined by Canadian WHMIS Controlled Product Regulation (CPR).

2.3 Potential Health Effects (See Section 11 for more Information)

Likely Route of Exposure
Transfer to skin during manipulation.

Eye : May cause mild, transient irritation.

Skin : No health effects known. Shouldn't be in contact with mucosa.

Ingestion : Not likely to occur. May cause gastrointestinal irritation, nausea, vomiting and diarrhea if ingested in large quantity.

Inhalation : No likely to occur as the product is not volatile at room temperature.

Medical Condition Aggravated by Exposure
None known.

Target Organs : None known.

Carcinogenicity (NTP, IARC and OSHA)
This product does not contain any carcinogens or potential carcinogen according to NTP, IARC and OSHA.

2.3 Potential Environmental Effects (See Section 12 for more Information)

None known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	Cas #	% by Wt	Classification and R phrases
Linseed Oil	8001-26-1	<40%	None

SECTION 4 – FIRST AID MEASURES

4.1 First Aid Procedures

Eye : Rinse with cold water; seek medical attention if irritation persist.

Skin : Wash skin with water & soap or industrial hand cleaner.

Ingestion : Not likely to occur, large amounts may cause intestinal blockage and necessitate medical attention if discomfort occurs.

Inhalation : Not likely to occur with solid product.

4.2 Note to Physicians

None.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flammable Properties (See Section 9 for more Information)

This product will burn if involved in a fire. Rags and waste paper containing this product may burn spontaneously.

<p>NFPA Rating</p> <p>0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard</p>	<p>Flammability</p> <p>Health Hazard Instability</p> <p>Special Hazards</p>
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5.2 Extinguishing Media

5.2.1 Suitable Extinguishing Media
Treat as an oil fire. Use foam , dry chemical and CO₂.

5.2.2 Unsuitable Extinguishing Media
Water may not be effective to extinguish fire.
Spattering of flammable liquid may result from spraying water.

5.3 Protection of Fire fighters

5.3.1 Specific Hazards Arising from the Chemical
Burning can produce noxious and toxic fumes, and the following combustion products : Oxides of

carbon & Acrolein.

5.3.2 Protective Equipment and Precautions for Fire-fighters
Keep people away from fire and smoke, wear full fire fighting turn-out gear and respiratory protection.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Use recommended personal protective equipment for solid product (See Section 8 for more Information).

6.2 Environmental Precautions

Use physical barrier to prevent spilled or leaking melted material from entering waterways.

6.3 Methods for Containment

No containment needed for solid state. Melted material will solidify rapidly. Any physical barrier will stop the flow of melted material.

6.4 Methods for Clean-Up

Dispose of wiping rags in metal containers with lids.
Generally treat as small spill. If large quantities are exposed to excessive heat, this product may melt. Allow melted material to cool and then scrap up.

6.5 Other Information

Not listed.

SECTION 7 – HANDLING AND STORAGE

7.1 Handling

Handle as a fragile material. Wash thoroughly exposed body part after using.

7.2 Storage

Normal precaution should be followed in handling and storage. Store in a dry & cool place. Keep out of strong sunlight. Do not store at temperature : >50°C/120°F or near spark or open flame.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Guidelines

Hazardous Ingredients	CAS #	Exposure Limits (ppm)					
		OSHA		ACGIH		NIOSH	
		TWA	STEL	TWA	STEL	TWA	STEL
None	None	None	None	None	None	None	None

8.2 Engineering Controls

Not needed for normal use.

8.3 Personal Protective Equipment (PPE)

None.

8.3.1 Eye / Face Protection
None is normally required.

8.3.2 Skin Protection None.
8.3.3 Respiratory Protection None special respiratory protection is normally required.
8.3.4 General Hygiene Considerations Wash exposed part with soap.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Cylindrical Crayon	Odor Fatty acid and painty odor	Physical state Solid @ 25°C/77°F
pH Not Available	Vapour pressure (mm Hg) <0.01 @ 25°C/77°F	Vapour Density <0.01 @ 25°C/77°F
Boiling point Not Available	Melting point ~ 79°C/175°F	Flash point Not available.
Autoignition Temperature Not Available	Decomposition Temperature Not Available	Specific Gravity (H ₂ O = 1) >1
Evaporation Rate Not Available	Coefficient of water/oil distribution <1	Odor Threshold (ppm) Not Determined.
Relative Density > 1g/ml	Solubility-Water Insoluble	Partition Coefficient n-octanol/water >1


SECTION 10 – STABILITY AND REACTIVITY DATA

10.1 Chemical Stability
Stable. Hazardous polymerisation will not occur.
10.2 Conditions to Avoid
High surface area exposure can result in release of heat while paint is polymerising (drying). Rags and waste paper containing this product may burn spontaneously. Store wiping rags containing this product in metal containers with tight lids.
10.3 Incompatible Materials
Oxidizer (Peroxide, Chlorine).
10.4 Hazardous Decomposition Products
Aldehyde may be produced from atmospheric oxidation (drying). Burning can produce noxious and toxic fumes, and the following combustion products :Oxides of carbon & Acrolein.
10.5 Possibility of Hazardous Reactions
None Known.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Acute Effects				
Hazardous Ingredients	CAS #	%	Oral LD ₅₀	Dermal LD ₅₀
None	None	Nil	None	None

Inhalation : Not likely to occur with solid product.
Eye Irritation : Possible irritation to eyes.
Skin Irritation : None Known.
Sensitization : Not Applicable.
11.2 Chronic Effects
Carcinogenicity : This product does not contain any carcinogens or potential carcinogen according to NTP, IARC and OSHA.
Mutagenicity/Teratogenicity : No effects known.
Reproductive Effects : No effects known.
Development Effects : No effects known.
SECTION 12 – ECOLOGICAL INFORMATION
Ecotoxicity : Not determined.
Persistence/Degradability : Not determined.
Bioaccumulation/Accumulation : Not determined.
Mobility in Environmental Media : Not determined.
Other Adverse Effect : None Known.
SECTION 13 – DISPOSAL CONSIDERATION
Waste Disposal : Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.
SECTION 14 – TRANSPORT INFORMATION
14.1 Basic Shipping Description
US DOT : Not regulated.
14.2 Additional Information
IMO : Not regulated.
Canadian TDG : Not regulated.
ICAO : Not regulated.
IATA : Not regulated.
SECTION 15 – REGULATORY INFORMATION
15.1 Global Inventory Status
TSCA (United States) : All ingredients of this product are listed on the U.S. Environmental Protection Agency (EPA) , (TSCA) Toxic Substances Control Act and Chemical Substance Inventory.
DSL (Canada) : All ingredients of this product are listed on the Canadian (EPA) Canadian Environmental Protection Act.
EINECS (EU) : All ingredients of this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

AICS (Australia) : All ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).	
15.2 SARA Status	
Hazard Class(es) Section (311/312) : None.	
Section 313 Toxic Chemicals : None.	
Section 302 Extremely Hazardous Substances (EHS) : None.	
15.3 US State Regulations	
Linseed Oil (8001.26.1) appear on the Pennsylvania Hazardous Substance list.	
15.4 WHMIS Status & Classifications	
Not considered to be hazardous material as defined by Canadian WHMIS Controlled Product regulation(CPR). Linseed Oil (8001.26.1; <40%) appear on the Canadian WHMIS Ingredient Disclosure List.	 Not Controlled under WHMIS
15.5 OSHA Status & Classifications	
Not a controlled or hazardous material as defined by U.S.OSHA HCS (29 CFR 1910.1200).	
SECTION 16 – OTHER INFORMATION	
MSDS of the product is classified in accordance with all the required information for his hazard criteria under the Health Communication Standards (HCS) of the U.S. OSHA and all the required information for his hazard criteria under the Controlled Products Regulations (CPR) of the Canadian WHMIS. MSDS of the product is made following the Z400.1-2003 standards of the ANSI.	
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The information contained in this document is derived from data supplied to Carmel Group by the manufacturers or distributors of the raw materials combined to form this product. However, Carmel Group makes no representations as to its completeness or accuracy. To the best of our knowledge all hazards have been noted for the intended use of the product and, since Carmel Group cannot control conditions of use, the end user is obliged to determine the conditions permitting safe use of the product. In no event will Carmel Group be responsible for damage of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

CARMEL GROUP INC.

ROUGH SURFACE PAINT CRAYON PRODUCT LIST

Product code	Product Description
PC20702	Rough Surface Paint Crayon Yellow
PC20703	Rough Surface Paint Crayon White
PC20704	Rough Surface Paint Crayon Blue
PC20708	Rough Surface Paint Crayon Black
PC20709	Rough Surface Paint Crayon Red
PC20712	Rough Surface Paint Crayon Orange