

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Rubber Marking Crayon		Revision date 27 Nov 2009
Previous revision date 31 May 2004	Product code WC20202 to WC20209	Material use For no-permanent marking on many surfaces including tires.
Manufacturer's Name and issuing location CARMEL GROUP INC. 10220 ARMAND LAVERGNE MONTRÉAL, QUEBEC, CANADA, H1H 3N4 Tel : 514-270-5377 Fax : 514-270-2025		EMERGENCY PHONE NUMBER CHEMTREC USA 800-424-9300 International 1-703-527-3887

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Note (Sect 15)	CAS #	Amount	Exposure Limits (ppm)				
				OSHA PEL-TWA	NIOSH REL-TWA	NIOSH REL-STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
None as defined by OSHA 29 CRF 1910.1200 & by Canadian WHMIS CPR								
Other Ingredients : Soybean Oil	1	8001-22-7	20%					

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

The product is not expected to present any unusual hazards if properly used. Can be a "Combustion Hazard" if product or surfaces marked by it are improperly disposed.

EYE CONTACT	May cause mild, transient irritation.
SKIN CONTACT	No health effects known. Shouldn't be in contact with mucosa.
INHALATION	Not likely to occur as the product is not volatile at room temperature.
INGESTION	May cause gastrointestinal irritation, nausea, vomiting and diarrhea if ingested in large quantity.

Potential Health Effects (NFPA Classification)

Fire hazard : 1	Health Hazard : 0	Reactivity : 0	Personal Protection : See Section 8
0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard			

Potential Health Effects (HMIS Rating)

Health : 0	Flammability : 1	Reactivity : 0
0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard		

SECTION 4 – FIRST AID MEASURES

EYE CONTACT	Rinse with cold water; seek medical attention if irritations persist.
SKIN CONTACT	Wash skin with water & soap or industrial hand cleaner.
INHALATION	Not likely to occur with solid product.
INGESTION	Not likely to occur, large amounts may cause intestinal blockage and necessitate medical attention if discomfort occurs.
ADDITIONAL INFO	None

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media	Treat as an oil fire. Use Foam, Dry Chemical and CO ₂ .
Special Fire fighting Procedure	Keep people away from fire and smoke, Wear full fire fighting turn-out gear and respiratory protection (SCBA).

Unusual Fire and Explosion Hazards	This product will burn if involved in a fire. Rags and waste paper containing this product may burn spontaneously in certain conditions. Dispose of rags or paper in proper safety cans.		
SECTION 6 – ACCIDENTAL RELEASE MEASURES			
Small Spills	Not likely to occur in solid format. Sweep and scrap the spill		
Large Spills	Not likely to occur in solid format. May melt if exposed to excessive heat. In that case, let the material solidify and scrap the spill.		
SECTION 7 – HANDLING AND STORAGE			
Handling procedures	Handle as a fragile material. Wash thoroughly exposed body part after using.		
Storage precautions	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			
PERSONAL PROTECTION			
Respiratory protection	No special respiratory protection is normally required.		
Protective gloves	None is normally required.		
Eye protection	None is normally required.		
Clothing	Standard industrial.		
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance Hexagonal Crayon	Odour Fatty acid odour	Physical state Solid @ 25°C/77°F	Boiling point N/Av.
Melting point ~ 79°C/175°F	Specific gravity (H ₂ O=1) > 1	Vapour pressure (mm Hg) <0.01 @ 25°C/77°F	Solubility in water Insoluble
Solubility in organic solvent Soluble	Partitioning coefficient N/Av.	Flash point N/Av.	Percent volatiles Nil
SECTION 10 – STABILITY AND REACTIVITY DATA			
Stability Stable	Hazardous polymerization Will not occur.		
Incompatibility	Normally unreactive; however avoid contact with strong oxidizing agent (ex. Peroxides, chlorine).		
Hazardous decomposition products	Burning can produce noxious and toxic fumes, and the following combustion products : Oxides of carbon & Acrolein.		
SECTION 11 – TOXICOLOGICAL INFORMATION			
Carcinogenicity Not listed, not carcinogenic to date.	Mutagenicity / Teratogenicity Not listed		
Irritancy of Material Moderate potential irritant for eyes and mucosa.	Sensitizing Capability None known		
Reproductive Effects None known	Synergistic Materials None known		
SECTION 12 – ECOLOGICAL INFORMATION			
This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant. Not expected to be acutely toxic to aquatic organism.			
SECTION 13 – DISPOSAL CONSIDERATION			
Incineration is probably the best mean of disposal. Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.			
SECTION 14 – TRANSPORT INFORMATION			
Dot Hazard Classification Not regulated			
IATA Classification Not regulated			
ICAO Classification Not regulated			

IMO Classification Not regulated	
TDG Hazard Classification Not regulated	
UN / NA Hazard No. None necessary	
Other N/Av.	
SECTION 15 – REGULATORY INFORMATION	
Hazard Details of SECTION 2	1 Appears on the Pennsylvania Hazardous Substance List.
SARA Status	No reporting requirement.
SARA Hazard Cat.	None
TSCA Status	All ingredients of this product are listed on the U.S. EPA TSCA (Toxic Substances Control Act) Chemical Substance Inventory.
DSL Status	All ingredients of this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).
EINECS Status	All ingredients of this product are listed on the European Inventory of Existing Chemical Substances (EINECS).
AICS Status	All ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).
OSHA Status	Not a controlled or hazardous material as defined by U.S. OSHA HCS (29 CFR 1910.1200).
WHMIS Status	Not considered to be hazardous material as defined by Canadian WHMIS Controlled Product Regulation (CPR).
OSHA HCS Compliance	MSDS of the product is classified in accordance with all the required information for his hazard criteria under the Health Communication Standards of the U.S. OSHA.
WHMIS CPR Compliance	MSDS of the product is classified in accordance with all the required information for his hazard criteria under the Controlled Products Regulations of the Canadian WHMIS.
ANSI Z400.1-1993 Compliance	MSDS of the product is made following the Z400.1-1993 standards of the ANSI.
SECTION 16 – OTHER INFORMATION	
N/Av. = Not Available	
MSDS Originally made by Karl Pinard	Revised by Samia Ghezlaoui

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.

RUBBER MARKING CRAYON PRODUCTS

Product code	Product Description
WC20202	Rubber Marking Crayon Yellow
WC20203	Rubber Marking Crayon White
WC20209	Rubber Marking Crayon Red