

# CARMEL GROUP INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Heat Resistant Paint Crayon Various Colors		Revision date 1 December 2009
Previous revision date 11 September 2005	Product code PC20602 to PC20608	Material use Formulated annealing and heat treating operations. Marks withstand temperatures to 982°C (1800°F).
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 Internet : www.carmelindustries.com		EMERGENCY PHONE NUMBER CHEMTREC USA 800-424-9300 International 1-703-527-3887

### SECTION 2 – CONPOSITION / 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 Sebacic acid		111-20-6	30 %					

### SECTION 3 – HAZARD IDENTIFICATION

#### Emergency Overview

Fumes may cause irritation. KEEP OUT OF REACH OF CHILDREN. For industrial use only.

<b>SKIN CONTACT</b>	None expected.
<b>EYE CONTACT</b>	May cause mild, transient irritation.
<b>INHALATION</b>	Inhalation of fumes may cause irritation of the nose and throat.
<b>INGESTION</b>	None expected.

#### 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

<b>EYE CONTACT</b>	Flush with cold water for at least 15 minutes while holding eyelids open. seek medical attention if irritations persist.
<b>SKIN CONTACT</b>	Flush skin with water or wash with soap and water. Consult physician if irritation develops.
<b>INHALATION</b>	Remove victim to fresh air. Give oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Get medical attention.
<b>INGESTION</b>	NEVER GIVING ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. Give victim water to dilute.
<b>ADDITIONAL INFO</b>	None

### SECTION 5 – FIRE FIGHTING MEASURES

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

<b>Unusual Fire and Explosion Hazards</b>	This product will burn if involved in a fire.		
<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>			
<b>Small Spills</b>	Not likely to occur in solid format. Sweep and scrap the spill		
<b>Large Spills</b>	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.		
<b>SECTION 7 – HANDLING AND STORAGE</b>			
<b>Handling procedures</b>	Handle as a fragile material. Wash thoroughly exposed body part after using.		
<b>Storage precautions</b>	Normal precaution should be followed in handling and storage. Store in a dry & cool place. Store away from incompatible chemicals.		
<b>SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>			
<b>PERSONAL PROTECTION</b>			
<b>Respiratory protection</b>	Use a NIOSH/MSHA approved air-purifying respirator as needed to control exposure. Consult with respirator selection, use and limitation.		
<b>Eye protection</b>	Safety glasses or chemical goggles.		
<b>Clothing</b>	Standard industrial.		
<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>			
Appearance Round crayon	Odour None	Physical state Solid @ 25°C/77°F	Boiling point N / AV.
Melting point ~ 65°C / 145°F	Specific gravity (H <sub>2</sub> 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
<b>SECTION 10 – STABILITY AND REACTIVITY DATA</b>			
Stability Stable	Hazardous polymerization Will not occur.		
Incompatibility	Normally unreactive; however avoid contact with acids, bases and strong oxidizing agent (ex. Peroxides, chlorine)		
Hazardous decomposition products	Burning can produce noxious and toxic fumes, and the following combustion products : Oxides of carbon & other complex chemical.		
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>			
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		
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>			
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.			
<b>SECTION 13 – DISPOSAL CONSIDERATION</b>			
Incineration is probably the best mean of disposal. Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.			
<b>SECTION 14 – TRANSPORT INFORMATION</b>			
Dot Hazard Classification Not regulated			
IATA Classification Not regulated			
ICAO Classification Not regulated			

IMO Classification <b>Not regulated</b>	
TDG Hazard Classification <b>Not regulated</b>	
UN / NA Hazard No. <b>None necessary</b>	
Other <b>N / AV.</b>	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
Hazard Details of SECTION 2	None
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.
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>N/AV=NOT AVAILBLE</b>	
MSDS Originally made by <b>Karl Pinard</b>	Revised by <b>Samia Ghezlaoui</b>

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.

## HEAT RESISTANT PAINT CRAYON PRODUCTS

<b>Product code</b>	<b>Product Description</b>
PC20602	Yellow Heat Resistant Paint Crayon
PC20603	White Heat Resistant Paint Crayon
PC20608	Black Heat Resistant Paint Crayon
PC20609	Red Heat Resistant Paint Crayon