

# CARMEL GROUP INC.

## SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

|   |  |
|---|--|
| Product Name<br>Heat Treating Paint Crayon  | Product Code<br>PC21202-PC21209  |
| Product Use<br>Marks on weldments, forgings and castings that require heat treating or annealing. Marks made at ambient temperatures will then be able to withstand heating up to 1600°F (871°C). |  |
| Manufacturer / Supplier<br>Carmel Group Inc.<br>10220 Armand Lavergne, Montréal,<br>Québec, Canada, H1H 3N4   | Phone : 514-270-5377<br>Fax : 514-270-2025<br>Internet : www.carmelgroup.net |
| Emergency Phone Number (USA & Canada)<br>CHEMTREC (USA) : 800-424-9300 CHEMTREC (International) : 1-703-527-3887<br>CANUTEC (Canada) : 613-996-666  |  |
| SDS Issue Date : Sep 30, 2009   | SDS 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#      | %byWt | ClassificationandRphrases |
|-------------|-----------|-------|---------------------------|
| 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.

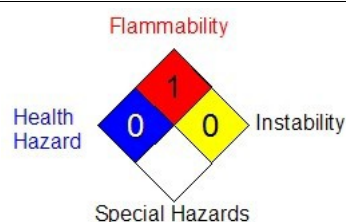
## SECTION 5 – FIRE FIGHTING MEASURES

### 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.

#### NFPA Rating

- 0 = Minimal
- 1 = Slight hazard
- 2= Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard



### 5.2 Extinguishing Media

#### 5.2.1 Suitable Extinguishing Media

Treat as an oil fire. Use foam , dry chemical and CO<sub>2</sub>.

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

| <b>11.1 Acute Effects</b>  |      |     |                      |                        |
|--|------|-----|----------------------|------------------------|
| HazardousIngredients   | CAS# | %   | OralLD <sub>50</sub> | DermalLD <sub>50</sub> |
| None   | None | Nil | None                 | None                   |
| <b>Inhalation</b> : Not likely to occur with solid product.  |      |     |                      |                        |
| <b>Eye Irritation</b> : Possible irritation to eyes.   |      |     |                      |                        |
| <b>Skin Irritation</b> : None Known.   |      |     |                      |                        |
| <b>Sensitization</b> : Not Applicable.   |      |     |                      |                        |
| <b>11.2 Chronic Effects</b>  |      |     |                      |                        |
| <b>Carcinogenicity</b> : This product does not contain any carcinogens or potential carcinogen according to NTP, IARC and OSHA.  |      |     |                      |                        |
| <b>Mutagenicity/Teratogenicity</b> : No effects known.   |      |     |                      |                        |
| <b>Reproductive Effects</b> : No effects known.  |      |     |                      |                        |
| <b>Development Effects</b> : No effects known.   |      |     |                      |                        |
| <b>SECTION 12 – ECOLOGICAL INFORMATION</b>   |      |     |                      |                        |
| <b>Ecotoxicity</b> : Not determined.   |      |     |                      |                        |
| <b>Persistence/Degradability</b> : Not determined.   |      |     |                      |                        |
| <b>Bioaccumulation/Accumulation</b> : Not determined.  |      |     |                      |                        |
| <b>Mobility in Environmental Media</b> : Not determined.   |      |     |                      |                        |
| <b>Other Adverse Effect</b> : None Known.  |      |     |                      |                        |
| <b>SECTION 13 – DISPOSAL CONSIDERATION</b>   |      |     |                      |                        |
| <b>Waste Disposal</b> : Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.  |      |     |                      |                        |
| <b>SECTION 14 – TRANSPORT INFORMATION</b>  |      |     |                      |                        |
| <b>14.1 Basic Shipping Description</b>   |      |     |                      |                        |
| <b>US DOT</b> : Not hazardous good according with the regulation   |      |     |                      |                        |
| <b>14.2 Additional Information</b>   |      |     |                      |                        |
| <b>IMO</b> : Not regulated.  |      |     |                      |                        |
| <b>Canadian TDG</b> : Not regulated.   |      |     |                      |                        |
| <b>ICAO</b> : Not hazardous good according with the regulation   |      |     |                      |                        |
| <b>IATA</b> : Not hazardous good according with the regulation   |      |     |                      |                        |
| <b>SECTION 15 – REGULATORY INFORMATION</b>   |      |     |                      |                        |
| <b>15.1 Global Inventory Status</b>  |      |     |                      |                        |
| <b>TSCA (United States)</b> : All ingredients of this product are listed on the U.S. Environmental Protection Agency (EPA) , (TSCA) Toxic Substances Control Act and Chemical Substance Inventory. |      |     |                      |                        |

|   |  |
|---|--|
| <b>DSL (Canada)</b> : All ingredients of this product are listed on the Canadian (EPA) Canadian Environmental Protection Act.   |  |
| <b>EINECS (EU)</b> : All ingredients of this product are listed on the European Inventory of Existing Chemical Substances (EINECS).   |  |
| <b>AICS (Australia)</b> : All ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).   |  |
| <b>15.2 SARA Status</b>   |  |
| <b>Hazard Class(es) Section (311/312)</b> : None.   |  |
| <b>Section 313 Toxic Chemicals</b> : None.  |  |
| <b>Section 302 Extremely Hazardous Substances (EHS)</b> : None.   |  |
| <b>15.3 US State Regulations</b>  |  |
| <b>Linseed Oil</b> (8001.26.1) appear on the Pennsylvania Hazardous Substance list.   |  |
| <b>15.4 WHMIS Status &amp; Classifications</b>  |  |
| Not considered to be hazardous material as defined by Canadian WHMIS Controlled Product regulation(CPR).<br><b>Linseed Oil</b> (8001.26.1; <40%) appear on the Canadian WHMIS Ingredient Disclosure List.   |  Not Controlled under WHMIS |
| <b>15.5 OSHA Status &amp; Classifications</b>   |  |
| Not a controlled or hazardous material as defined by U.S.OSHA HCS (29 CFR 1910.1200).   |  |
| <b>SECTION 16 – OTHER INFORMATION</b>   |  |
| SDS 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.<br>SDS of the product is made following the Z400.1-2003 standards of the ANSI. |  |
| <b>Prepared By : Federico Segovia</b>   | <b>Revised By: Federico Segovia</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 TREATING PAINT CRAYON PRODUCT LIST

| <b>Product code</b> | <b>Product Description</b> |
|---------------------|----------------------------|
| PC21202             | Heat Paint Crayon Yellow   |
| PC21203             | Heat Paint Crayon White    |
| PC21208             | Heat Paint Crayon Black    |
| PC21209             | Heat Paint Crayon Red      |