

CARMEL GROUP INC.

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|---|---------------------------------|---|
| Product Fluorescent Scannable Lumber Crayons | | Revision date 11/01/2017 |
| Previous revision date 05/10/2017 | Product code IC21002-IC21071 | Material use Mark Lumber, Steel, Stone, or Concrete. For use in UV scanning systems: Lucidyne, Cypress, Newnes McGehee |
| 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 – 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 | | | | | | | | |

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

The product is not expected to present any unusual hazards in proper use.

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| EYE CONTACT | Not likely to occur. |
| SKIN CONTACT | No irritation expected because crayon doesn't really transfer on skin. |
| INHALATION | Not likely to occur. |
| INGESTION | May cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Potential Health Effects (NFPA Classification)

| | | | |
|---|-------------------|----------------|-------------------------------------|
| Fire hazard : 0 | 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 : 0 | Reactivity : 0 |
| 0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard | | |

SECTION 4 – FIRST AID MEASURES

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|------------------------|--|
| 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

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| 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. |

| 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 ~ 65°C / 149°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 non-reactive; 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 | | | |

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|---|---|
| TDG Hazard Classification Not regulated | |
| UN / NA Hazard No. None necessary | |
| Other N/Av. | |
| SECTION 15 – REGULATORY INFORMATION | |
| 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 | SDS 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 | SDS 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 | SDS of the product is made following the Z400.1-1993 standards of the ANSI. |
| SECTION 16 – OTHER INFORMATION | |
| N/Av. = Not Available | |
| SDS Originally made by Karl Pinard | Revised by Federico Segovia |

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.

FLUORESCENT SCANNABLE LUMBER CRAYON PRODUCTS

| Productcode | ProductDescription |
|--------------------|---------------------------|
| IC21001 | Purple |
| IC21002 | Yellow |
| IC21003 | White |
| IC21004 | Blue |
| IC21005 | Brown |
| IC21008 | Black |
| IC21009 | Red |
| IC21010 | Green |
| IC21012 | Orange |
| IC21015 | Cherry |
| IC21019 | Pink |
| IC21025 | Light Blue |
| IC21028 | Light Green |
| IC21030 | Olive |
| IC21031 | Pea Green |
| IC21032 | Plum |
| IC21033 | Rust |
| IC21034 | Tan |
| IC21036 | Lime |
| IC21037 | Magenta |
| IC21038 | Wine |
| IC21060 | Bright Orange |
| IC21070 | Orange/Yellow |
| IC21071 | Orange/Red |
| IC21072 | Blue/Green |