

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Fluorescent scannable lumber/Timber Crayons (Various Color)		Revision date 22 Dec 2009
Previous revision date None.	Product code IC210XX (See P.4)	Material use Lumber garding marker for use with all GMR (Grad Mark Readers) UV (Ultra Violet) scanning systems : Lucidyne, Cypress, Newnes McGehee, for easy grade mark reading.
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								

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

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

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

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.		
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 None.	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	
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	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.

FLUORESCENT SCANNABLE LUMBER/TIMBER CRAYONS PRODUCTS

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