

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Product Chalk-Line Powder Orange & Green Fluorescent | | Revision date 08/12/09 |
| Prev. revision date 05/03/07 | Product code IC20144, IC20244, IC20344, IC20444, IC20147, IC20247, IC20347 & IC20447 | Material use Marking chalk for use in chalk-line reels. |
| Manufacturer 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 as Dust (mg/m ³) | | | | |
|-----------------------|-------------------|------------|--------|-------------------------------------------------|------------------|-------------------|------------------|-------------------|
| | | | | OSHA PEL-TWA | NIOSH REL-TWA | NIOSH REL-STEL | ACGIH TLV-TWA | ACGIH TLV-STEL |
| Limestone | 2,4,5 | 1317-65-3 | 91 % | 15 | 10 | | 10 | |
| Fluorescent Pigment | | | 8 % | | | | | |
| Silicone Dioxide | 1,2,3,4,5,6,7 | 14808-60-7 | 1.5 % | 0.1 | 0.05 | | 0.05 | |

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

Potential cause of respiratory, mucosa, epidermal and ocular irritation.

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| SKIN CONTACT | Possible irritation of extremely sensitive skin. Avoid skin contact. |
| EYE CONTACT | Dust type irritation may occur. Avoid eye contact. |
| INHALATION | Potential irritation, may be harmful if inhaled |
| INGESTION | No Known irritation. Do not ingest. |

Potential Health Effects (NFPA Classification)

| | | | |
|---------------------------------------------------------------------------------------|-------------------|----------------|-------------------------------------|
| Fire hazard : 0 | Health Hazard : 1 | 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 : 1 | 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 eyes with running water for 10 minutes holding the eyelids open. |
| Skin Contact | Wash affected area with soap and water. |
| Inhalation | Remove individual to a well ventilated area for fresh air and call a physician to attend to the injury. |
| Ingestion | Administer large quantities of water. Do not induce vomiting. Call a physician. |
| Addit. Info | None |

SECTION 5 – FIRE FIGHTING MEASURES

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|-------------------------------------------|----------------------------------------------|
| Extinguishing Media | N/Av. |
| Special Fire fighting Procedure | None |
| Unusual Fire and Explosion Hazards | This product will burn if involve in a fire. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| Small Spills | Sweep up. |
|---------------------|-----------|

Large Spills | Sweep up using dust control sweeping compounds or vacuum with H.E.P.A. filter.

SECTION 7 – HANDLING AND STORAGE

Handling procedures | Keep containers closed to prevent spills.

Storage precautions | Normal precaution should be followed in handling and storage. Store in a dry place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection | Dust mask if used in large quantities.

Protective gloves | Wear latex or vinyl glove.

Eye protection | Protective glass.

Clothing | None special needed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------------------|-------------------------------------------------------------|----------------------------------------------|------------------------------------------------|
| Appearance Orange or Green Powder | Odour None | Physical state Solid @ 25°C / 77°F | Boiling point N/Av. |
| Melting point N/Av. | Specific gravity (H ₂ O=1) 2.95 - 3.08 | pH N/Av. | Solubility in water 0.0015 g/ 100 ml |
| Solubility in organic solvent N/Av. | 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
None under normal usage.

Hazardous decomposition products
Burning can produce noxious and toxic fumes, and the following combustion products : Oxides of carbon, formaldehyde & Other complex chemical.

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity
Breathable Silica (CAS#14808-60-7) is considered a carcinogen by IARC (Group 1 carcinogen), ACGIH (A2 - Suspected Human Carcinogen) and is listed in the NTP list of known human carcinogen.

Mutagenicity / Teratogenicity
Not listed.

Irritancy of Material
Slight.

Sensitizing Capability
None known

Reproductive Effects
None known

Synergistic Materials
None known

SECTION 12 – ECOLOGICAL INFORMATION

N/Av.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of 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

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| Hazard Details of SECTION 2 | <ol style="list-style-type: none"> 1 Appears on the California Right-To-Know Substance List. 2 Appears on the Massachusetts Right-To-Know Substance List. 3 Appears on the New Jersey Right-To-Know Hazardous Substance List. 4 Appears on the Pennsylvania Hazardous Substance List. 5 Appears on the Minnesota Right-To-Know Substance List. 6 Appears on the Canadian WHMIS Ingredient Disclosure List. 7 Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances 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 | Considered to be hazardous material as defined by U.S. OSHA HCS (29 CFR 1910.1200). |
| WHMIS Status | Considered to be hazardous material as defined by Canadian WHMIS Controlled Product Regulation (CPR). Is classified under Class D2A (Class D Poisonous and infectious Materials : Very toxic material causing other toxic effects). |
| 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

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|----------------------------------------|-------------------------------|
| 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.

CHALK-LINE POWDER ORANGE & GREEN FLUORESCENT PRODUCTS

| Product code | Product Description |
|---------------------|-------------------------------------------------------|
| IC20144 | Chalk-Line Powder Orange Fluorescent 8 oz Container |
| IC20244 | Chalk-Line Powder Orange Fluorescent 5 lbs Container |
| IC20344 | Chalk-Line Powder Orange Fluorescent 25 lbs Container |
| IC20444 | Chalk-Line Powder Orange Fluorescent 50 lbs Container |
| IC20147 | Chalk-Line Powder Green Fluorescent 8 oz Container |
| IC20247 | Chalk-Line Powder Green Fluorescent 5 lbs Container |
| IC20347 | Chalk-Line Powder Green Fluorescent 25 lbs Container |
| IC20447 | Chalk-Line Powder Green Fluorescent 50 lbs Container |