

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

WHMIS	Protective Clothing	TDG Road/Rail
 D2A		

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Carpenter Chalk		Revision date 07/12/09
Prev. revision date 05/03/07	Product code IC20003, IC20004 & IC20009	Material use For application to Chalk-line for a long lasting bright mark.
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 CANUTEC 613-996-6666

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		15	10		10	
Silicone Dioxide	1,2,3,4,5,6,7	14808-60-7	1.8 %	0.1	0.05		0.05	

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

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

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

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			
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			
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 – PROPRIÉTÉS PHYSIQUES ET CHIMIQUES			
Appearance Blue 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 & 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	
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 AVAILBLE	
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.

CARPENTER'S CHALK PRODUCTS

Product code	Product Description
IC20003	Carpenter's Chalk White
IC20004	Carpenter's Chalk Blue
IC20009	Carpenter's Chalk Red