

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Jumbo Tailor Chalk Crayon (Crayon C3050)		Revision date November 27, 2012
Previous revision date 24/11/07	Product code TC12902 to TC12909 (See p.5)	Material use Large size for increased life span, with 3 grooves for a better grip.
Manufacture's Name and issuing location CARMEL GROUP INC. 10220 ARMAND LAVERGNE, MONTRÉAL, QUEBEC, CANADA, H1H 3N4 PHONE : 514-270-5377 FAX :514-270-2025 INTERNET : www.carmelindustries		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	Toxicity in Solid format (mg/kg)		
				LD50 (Oral)	TDLo (Subcutaneous, rat)	TDLo (Intramuscular, rat)
None as defined by OSHA 29 CFR 1910.1200 & by Canadian WHMIS CPR						
Other Ingredients						
Carbon Black (TC10008,TC12908 & TC10608)	1,2,3,4,5,6,8	1333-86-4	3.5%	15400 (rat)		
Zinc Oxide (TC10003,TC12903 & TC10603)	1,2,3,4,5,6,7	1314-13-2	10%	7950 (mouse)		
Zinc Sulfide-Manganese-Copper (TC10047)	1,2,3,4,5,6,7	proprietary	13%			

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

The product is not expected to present any unusual hazards in proper use (room temperature up to 104°F / 40°C). Overheating is considered abnormal usage of the product.

EYE CONTACT	Not likely to occur because solid chalk at room temperature.
SKIN CONTACT	No danger at room temperature.
INHALATION	No fume or aerosol at room temperature.
INGESTION	This material is essentially inert and non-toxic. Regardless it should not be ingested.

Potential Health Effects (NFPA Classification)

Fire hazard : 1	Health Hazard : 1	Reactivity : 0	Personal Protection : See Section 8
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0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

Potential Health Effects (HMIS Rating)

Health : 1	Flammability : 1	Reactivity : 0
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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. For small fire use CO ₂ , dry powder or foam. For large fire use alcohol-type foam, universal-type foam or water fog.		
Special Fire fighting Procedure	Keep people away from fire and smoke, Wear full fire fighting turn-out gear and respiratory protection (SCBA). Use water spray cool fire-exposed containers and structures. Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.		
Unusual Fire and Explosion Hazards	This product will burn if involved in a fire. This product will float upon water, so water spray is not suitable extinguishing agents as it may cause fire to spread.		
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	None special needed. Handle as a fragile material.		
Storage precautions	Normal precaution should be followed in handling and storage. Store in a dry place. Keep out of direct sunlight. Do not store at temperature : > 104°F / 40°C		
SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION			
PERSONAL PROTECTION			
Respiratory protection	No special respiratory protection is normally required.		
Protective gloves	None are normally required.		
Eye protection	None is normally required.		
Clothing	No special clothing recommended.		
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance Rectangular chalk	Odour None	Physical state Solid @ 77°F/25°C	Boiling point N / AV.
Melting point ~60°C / 140°F	Specific gravity (H ₂ O=1) < 1	Vapour pressure (mm Hg) <0.01 @ 77°F/25°C	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 unreactive; however avoid contact with strong oxidizing agent (ex. Peroxides, chlorine), Sunlight or ultraviolet light, heat or high temperature.			
Hazardous decomposition products Burning can produce noxious and toxic fumes, and the following combustion products : Carbon Oxides & Other complex chemical. TC10003, TC10047, TC12903 & TC10603 may also produce Zinc Oxides.			
SECTION 11 – TOXICOLOGICAL INFORMATION			
Carcinogenicity For (TC10008, TC12908 & TC10608), the Carbon Black may be contaminated by <i>Polycyclic Aromatic Hydrocarbons</i> (PAH) that have been shown to cause cancer. However, Carbon Black in a format other than dust (like a solid format) has not been shown to cause cancer.	Mutagenicity / Teratogenicity Not listed		
Irritancy of Material N / AV.	Sensitizing Capability N / AV.		
Reproductive Effects	Synergistic Materials		

None known

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.

For TC10003, TC12903 & TC10603, the product contain zinc oxide that can produce at certain pH zinc ion which may cause environment toxicity. Those zinc ions are highly toxic to aquatic organism and may accumulate in the environment. For TC10047, the product contain zinc sulfide-manganese-copper that can produce at certain pH zinc ion which may cause environment toxicity. Those zinc ions are highly toxic to aquatic organism and may accumulate in the environment.

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.

No number as product is not regulated.

Other

N / AV.

SECTION 15 – REGULATORY INFORMATION

Hazard Details of
SECTION 2

- 1** Appears on the California Right-To-Know Substance List.
- 2** Appears on the Massachusetts 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** Subject to the reporting requirements of SARA Title III, Section 313.
- 8** Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances List.

SARA Status

For TC10003, TC12903 & TC10603, material contains Zinc oxide (listed as Zinc compounds), 10%, (CAS# 1314-13-2) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
For TC10047, material contains Zinc sulfide-manganese-copper (listed as Zinc compounds), 13%, (CAS# Proprietary) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

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.

TSCA Notification

None

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 material as defined by U.S. OSHA HCS (29 CFR 1910.1200).	
California Prop 65 Statement	For TC10008, TC12908 & TC10608 : WARNING! This product contains Carbon black, a chemical known to the state of California to cause cancer.	
WHMIS Status	Not a controlled 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 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.

JUMBO TAILOR CHALK CRAYON PRODUCTS

Product code	Product Description
TC12902	Yellow Jumbo Tailor Chalk Crayon
TC12903	White Jumbo Tailor Chalk Crayon
TC12904	Blue Jumbo Tailor Chalk Crayon
TC12905	Brown Jumbo Tailor Chalk Crayon
TC12908	Black Jumbo Tailor Chalk
TC12909	Red Jumbo Tailor Chalk Crayon
TC12910	Green Jumbo Tailor Chalk
TC12912	Orange Jumbo Tailor Chalk Crayon
TC12917	Natural Jumbo Tailor Chalk