

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name Retractable Grease Pencils (China Marker)	Product Code LP21XXX (See p.7)
Product Use Leads from the grease pencil marker are now available in this customised clutch pencil. No longer necessary to access china marker's lead. Soft lead glides on to most surfaces smoothly.	
Manufacturer / Supplier Carmel Group Inc. 10220 Armand Lavergne, Montréal, Québec, Canada, H1H 3N4	Phone : 514-270-5377 Fax : 514-270-2025 Internet : www.carmelindustries.com
Emergency Phone Number (USA & Canada) CHEMTREC (USA) : 800-424-9300 CHEMTREC (International) : 1-703-527-3887 CANUTEC (Canada) : 613-996-666	
MSDS Issue Date : January 8, 2010	MSDS Version : 1.01

Section 2 – HAZARD IDENTIFICATION

2.1 Emergency Overview

Appearance: Solid pencil.
Odor : Not applicable.

Description : This product is not expected to present any unusual hazards. For Industrial use only. Keep out of reach of children.

2.2 OSHA & WHMIS Status

Not a controlled or hazardous material as defined by U.S. OSHA HCS (29 CFR 1910.1200).
Not considered to be hazardous material as defined by Canadian WHMIS Controlled Product Regulation (CPR).

2.3 Potential Health Effects (See Section 11 for more Information)

Likely Route of Exposure
None.

Eye : None known.

Skin : None known.

Ingestion : None known.

Inhalation : None known.

Medical Condition Aggravated by Exposure :
None known.

Target Organs : Not Applicable.

Carcinogenicity (NTP, IARC and OSHA)
This product does not contain any carcinogens or potential carcinogen according to NTP, IARC and OSHA.

2.3 Potential Environmental Effects (See Section 12 for more Information)

None known.

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	Cas #	% by Wt	Classification and R phrases
None	None	None	None

Section 4 – FIRST AID MEASURES

4.1 First Aid Procedures

Eye : Flash with water.

Skin : Wash skin with water & soap or industrial hand cleaner.

Ingestion : Not likely to occur. Give victim water to dilute.

Inhalation : Doesn't apply.

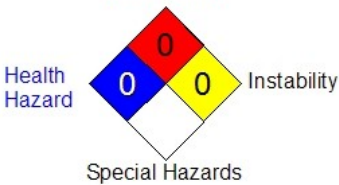
4.2 Note to Physicians

None.

Section 5 – FIRE FIGHTING MEASURES

5.1 Flammable Properties (See Section 9 for more Information)

This product will burn if involved in a fire.

<p>NFPA Rating</p> <p>0 = Minimal 1 = Slight hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard</p>	<p>Flammability</p>  <p>Health Hazard Instability</p> <p>Special Hazards</p>
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5.2 Extinguishing Media

5.2.1 Suitable Extinguishing Media
Carbon dioxide, dry chemical or foam recommended. Apply water to cool exposed closed containers.

5.2.2 Unsuitable Extinguishing Media
None knowed.

5.3 Protection of Firefighters

5.3.1 Specific Hazards Arising from the Chemical
Not determined.

5.3.2 Protective Equipment and Precautions for Firefighters
Keep people away from fire and smoke, wear full fire fighting turn-out gear and respiratory protection.

Section 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Use recommended personal protective equipment (see Section 8).

6.2 Environmental Precautions

None known.

6.3 Methods for Containment

No containment needed for solid state.

6.4 Methods for Clean-Up

Sweep or shovel up.

6.5 Other Information

None known.

Section 7 – HANDLING AND STORAGE

7.1 Handling

Handle us a fragile material.

7.2 Storage

Store away from incompatible chemicals (see Sec. 10). Store in a cool, dry area.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Guidelines

Hazardous Ingredients	CAS #	Exposure Limits (ppm)					
		OSHA		ACGIH		NIOSH	
		TWA	STEL	TWA	STEL	TWA	STEL
None	None	None	None	None	None	None	None

8.2 Engineering Controls

Not needed for normal use.

8.3 Personal Protective Equipment (PPE)

None.

8.3.1 Eye / Face Protection
None is normally required.

8.3.2 Skin Protection
None is normally required.

8.3.3 Respiratory Protection
None is normally required.

8.3.4 General Hygiene Considerations
Wash exposed part with soap.

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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance Solid wood encased pencil	Odor Not Available.	Physical state Solid @ 25°C/77°F
PH : Not Available.	Vapour pressure (mm Hg) Not Available.	Vapour Density Not Available.
Boiling point : Not Available.	Melting point Not Available.	Flash point Not Available.
Autoignition Temperature Not Available.	Decomposition Temperature Not Available.	Specific Gravity Not Available.
Evaporation Rate Not Available.	Coefficient of water/oil distribution Not Available.	Odor Threshold Not Available.
Relative Density Not Available.	Solubility- Water Insoluble.	Partition Coefficient n-octanol/water Not Available.

Section 10 – STABILITY AND REACTIVITY DATA

10.1 Chemical Stability

Stable.

10.2 Conditions to Avoid

None known.

10.3 Incompatible Materials

Strong acids and oxidizers.

10.4 Hazardous Decomposition Products

Carbon dioxide and possibly other toxic gasses.

10.5 Possibility of Hazardous Reactions

None known.

Section 11 – TOXICOLOGICAL INFORMATION

11.1 Acute Effects

Hazardous Ingredients	CAS #	%	Oral LD ₅₀	Dermal LD ₅₀
None	None	Nil	None	None

Inhalation : Not applicable.

Eye Irritation : Not applicable.

Skin Irritation : Not applicable.

Sensitization : Not Applicable.

11.2 Chronic Effects

Carcinogenicity : This product does not contain any carcinogens or potential carcinogen according to NTP, IARC and OSHA.

Mutagenicity/Teratogenicity : No effects known.

Reproductive Effects : No effects known..

Development Effects : No effects known.

Section 12 – ECOLOGICAL INFORMATION

Ecotoxicity : Not determined.

Persistence/Degradability : Not determined.

Bioaccumulation/Accumulation : Not determined.

Mobility in Environmental Media : Not determined.

Other Adverse Effect : Not determined.

Section 13 – DISPOSAL CONSIDERATION

Waste Disposal : Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.

Section 14 – TRANSPORT INFORMATION

14.1 Basic Shipping Description

US DOT : Not Regulated.

14.2 Additional Information

IMO : Not Regulated.

Canadian TDG : Not Regulated.

ICAO : Not Regulated.

IATA : Not Regulated.

Section 15 – REGULATORY INFORMATION

15.1 Global Inventory Status

TSCA (United States) : All ingredients contained in this product are listed on the U.S.EPA TSCA Chemical Substance Inventory.

DSL (Canada) : All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

EINECS (EU) : All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

AICS (Australia) : All ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

15.2 SARA Status

Hazard Class(es) Section (311/312) : None.

Section 313 Toxic Chemicals : None.

Section 302 Extremely Hazardous Substances (EHS) : None.

15.3 US State Regulations

None.

15.4 WHMIS Status & Classifications

Not considered to be hazardous material as defined by Canadian



Not Controlled

WHMIS Controlled Product regulation(CPR).	under WHMIS
15.5 OSHA Status & Classifications	
Not a controlled or hazardous material as defined by U.S.OSHA HCS (29 CFR 1910.1200).	
Section 16 – OTHER INFORMATION	
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 and all the required information for his hazard criteria under the Controlled Products Regulations of the Canadian WHMIS. MSDS of the product is made following the Z400.1-2003 standards of the ANSI.	
Prepared 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.

RETRACTABLE GREASE PENCILS PRODUCT LIST

Product code	Product Description
HD23090	1 CLUTCH PENCIL
HD23590	1 CLUTCH PENCIL + 5 REFILLS
HD23290	FINE LINE MARKING LEAD HOLDER
HD23490	FINE LINE MARKING LEAD HOLDER + 4 REFILLS
LP21002	REFILL ROUND / 6 LEADS YELLOW
LP21003	REFILL ROUND / 6 LEADS WHITE
LP21004	REFILL ROUND / 6 LEADS BLUE
LP21009	REFILL ROUND / 6 LEADS RED
LP21012	REFILL ROUND / 6 LEADS ORANGE
LP21013	REFILL ROUND / 6 LEADS SILVER
LP21102	REFILL ROUND / 25 LEADS YELLOW
LP21103	REFILL ROUND / 25 LEADS WHITE
LP21104	REFILL ROUND / 25 LEADS BLUE
LP21109	REFILL ROUND / 25 LEADS RED
LP21112	REFILL ROUND / 25 LEADS ORANGE
LP21113	REFILL ROUND / 25 LEADS SILVER
LP21202	REFILL ROUND / 100 LEADS YELLOW
LP21203	REFILL ROUND / 100 LEADS WHITE
LP21204	REFILL ROUND / 100 LEADS BLUE
LP21209	REFILL ROUND / 100 LEADS RED
LP21212	REFILL ROUND / 100 LEADS ORANGE
LP21213	REFILL ROUND / 100 LEADS SILVER
LP21409	FINE REFILL / 6 LEADS RED
LP21413	FINE REFILL / 6 LEADS SILVER
LP21509	FINE REFILL / 25 LEADS RED
LP21513	FINE REFILL / 25 LEADS SILVER
LP21609	FINE REFILL / 100 LEADS RED
LP21613	FINE REFILL / 100 LEADS SILVER