

CARMEL GROUP INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Wire Wax		Revision date 27 Nov 2009
Previous revision date 10 Mai 2006	Product code SP4XX04 (See list p.4)	Material use Processing Wax.
Manufacturer's Name and issuing location CARMEL GROUP INC. 10220 ARMAND LAVEGNE, 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 (ppm)				
				OSHA PEL-TWA	NIOSH REL-TWA	NIOSH REL-STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
None as defined by OSHA 29 CFR 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.

SKIN CONTACT	No danger at room temperature.
EYE CONTACT	No danger at room temperature.
INHALATION	Not likely to occur as the product is not volatile at room temperature.
INGESTION	May cause gastrointestinal irritation, nausea, vomiting and diarrhea if ingested in large quantity.
Potential Health Effects (NFPA Classification)	
Fire hazard : 1	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 : 1
Reactivity : 0	
0 = Minimal 1 = Slight hazard 2= Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard	

SECTION 4 – FIRST AID MEASURES

EYE CONTACT	Exposure to fumes, vapours or smoke of the thermally degraded product can result in irritation to the eye and direct contact of the molten material will cause eye injury and burns. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. Call a physician to attend to the injury.
SKIN CONTACT	Exposure to fumes, vapours or smoke of thermally degraded product can result in irritation to skin and direct contact of the molten material will cause injury and burns. For burns apply running water over the injured area for 15 minutes. Do not attempt to remove any material bonded to skin. Call a physician to attend to the injury.
INHALATION	Remove individual to a well ventilated area for fresh air and call a physician to attend to the injury.
INGESTION	Material is not acutely toxic by ingestion. If material is ingested, do not induce vomiting. Call a physician.
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	Keep people away from fire and smoke, Wear full fire fighting turn-out gear and

Procedure	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	Rubber glove to prevent burning with the melted wax.		
Eye protection	Protective goggle to prevent burning by splatter of melted wax.		
Clothing	Standard industrial.		
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Odour	Physical state	Boiling point
Round or ½ Round Blue Wire in Spool	None	Solid @ 25°C/77°F	N/Av.
Melting point ~ 80°C / 176°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.		
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 Not listed, not carcinogenic to date.	Mutagenicity / Teratogenicity Not listed		
Irritancy of Material None known	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 Z400.1-2003 standards of the ANSI.
SECTION 16 – OTHER INFORMATION	
N/Av.= NOT AVAILBLE	
MSDS Originally made by David A. Haney	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.

WIRE WAX IN SPOOL PRODUCTS

Product code	Product Description	Gauge
0.5 lb / Spool		
SP42004	Round Blue Wire Wax in Spool	4 (0,204" ; 5.2mm)
SP40004	Round Blue Wire Wax in Spool	6 (0,162" ; 4.1mm)
SP40104	Round Blue Wire Wax in Spool	8 (0,128" ; 3.3mm)
SP40204	Round Blue Wire Wax in Spool	10 (0,102" ; 2.6mm)
SP40304	Round Blue Wire Wax in Spool	12 (0,081" ; 2.1mm)
SP40404	Round Blue Wire Wax in Spool	14 (0,064" ; 1.6mm)
SP40504	Round Blue Wire Wax in Spool	16 (0,051" ; 1.3mm)
SP40604	Round Blue Wire Wax in Spool	18 (0,040" ; 1.0mm)
SP40704	Round Blue Wire Wax in Spool	20 (0,032" ; 0.8mm)
SP40804	Round Blue Wire Wax in Spool	22 (0,025" ; 0.6mm)
SP40904	Round Blue Wire Wax in Spool	24 (0,020" ; 0.4mm)
SP41004	½ Round Blue Wire Wax in Spool	4 (0,204" ; 5.2mm)
SP41104	½ Round Blue Wire Wax in Spool	6 (0,162" ; 4.1mm)
SP41204	½ Round Blue Wire Wax in Spool	8 (0,128" ; 3.3mm)
SP41304	½ Round Blue Wire Wax in Spool	10 (0,102" ; 2.6mm)
SP41404	½ Round Blue Wire Wax in Spool	12 (0,081" ; 2.1mm)
SP41504	½ Round Blue Wire Wax in Spool	14 (0,064" ; 1.6mm)
SP41604	½ Round Blue Wire Wax in Spool	16 (0,051" ; 1.3mm)
Product code	Product Description	Metric
250 g / Spool		
SP43004	Round Blue Wire Wax in Spool	0.5 mm
SP43104	Round Blue Wire Wax in Spool	1.0 mm
SP43204	Round Blue Wire Wax in Spool	1.5 mm
SP43304	Round Blue Wire Wax in Spool	2.0 mm
SP43404	Round Blue Wire Wax in Spool	2.5 mm
SP43504	Round Blue Wire Wax in Spool	3.0 mm
SP43604	Round Blue Wire Wax in Spool	3.5 mm
SP43704	Round Blue Wire Wax in Spool	4.0 mm
SP43804	Round Blue Wire Wax in Spool	4.5 mm
SP43904	Round Blue Wire Wax in Spool	5.0 mm
SP44004	Round Blue Wire Wax in Spool	5.5 mm
SP44104	Round Blue Wire Wax in Spool	6.0 mm

SP44204	½ Round Blue Wire Wax in Spool	1.5 mm
SP44304	½ Round Blue Wire Wax in Spool	2.0 mm
SP44404	½ Round Blue Wire Wax in Spool	2.5 mm
SP44504	½ Round Blue Wire Wax in Spool	3.0 mm
SP44604	½ Round Blue Wire Wax in Spool	3.5 mm