

# CARMEL GROUP INC.

## SAFETY DATA SHEET

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Twist-it livestock marker		Revision date 10/25/17
Previous revision date n/a	Product code PC31001-PC31012 & PC310046-PC31047	Material use For easy marking on wet or dry livestock.
Manufacturer's Name and issuing location CARMEL GROUP INC. 10220 ARMAND LAVERGNE, MONTRÉAL, QUEBEC, CANADA, H1H 3N4 Tel : 514-270-5377 Fax : 514-270-2025		EMERGENCY PHONE NUMBER CANUTEC 613-996-666

### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Note (Sect 15)	CAS #	Amount	Exposure Limits (ppm)				
				OSHA TWA	NIOSH TWA	NIOSH STEL	ACGIH TWA	ACGIH STEL
None as defined by OSHA 29 CRF 1910.1200 & by Canadian WHMIS CPR								
<b>Other Ingredients</b> : Soybean Oil	1	8001-22-7	<40%					

### SECTION 3 – HAZARD IDENTIFICATION

#### Emergency Overview

The product is not expected to present any unusual hazards if properly used. Can be a "Combustion Hazard" if product or surfaces marked by it are improperly disposed.

<b>EYE CONTACT</b>	May cause mild, transient irritation.
<b>SKIN CONTACT</b>	No health effects known. Shouldn't be in contact with mucosa.
<b>INHALATION</b>	Not likely to occur as the product is not volatile at room temperature.
<b>INGESTION</b>	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

<b>EYE CONTACT</b>	Rinse with cold water; seek medical attention if irritations persist.
<b>SKIN CONTACT</b>	Wash skin with water & soap or industrial hand cleaner.
<b>INHALATION</b>	Not likely to occur with solid product.
<b>INGESTION</b>	Not likely to occur, large amounts may cause intestinal blockage and necessitate medical attention if discomfort occurs.
<b>ADDITIONAL INFO</b>	None

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Treat as an oil fire. Use Foam, Dry Chemical and CO <sub>2</sub> .
<b>Special Firefighting Procedure</b>	Keep people away from fire and smoke, Wear full firefighting turn-out gear and respiratory protection (SCBA).
<b>Unusual Fire and Explosion Hazards</b>	This product will burn if involved in a fire. Rags and waste paper containing this product may burn spontaneously in certain conditions. Dispose of rags or paper in proper safety cans

<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>			
<b>Small Spills</b>	Not likely to occur in solid format. Sweep and scrap the spill		
<b>Large Spills</b>	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.		
<b>SECTION 7 – HANDLING AND STORAGE</b>			
<b>Handling procedures</b>	Handle as a fragile material. Wash thoroughly exposed body part after using.		
<b>Storage precautions</b>	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.		
<b>SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>			
<b>PERSONAL PROTECTION</b>			
<b>Respiratory protection</b>	No special respiratory protection is normally required.		
<b>Protective gloves</b>	None is normally required.		
<b>Eye protection</b>	None is normally required.		
<b>Clothing</b>	Standard industrial.		
<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>			
Appearance <b>Round Crayon</b>	Odor <b>Fatty acid odor</b>	Physical state <b>Solid @ 25°C/77°F</b>	Boiling point <b>N/Av.</b>
Melting point <b>~ 79°C/175°F</b>	Specific gravity (H <sub>2</sub> O=1) <b>&gt; 1</b>	Vapor pressure (mm Hg) <b>&lt;0.01 @ 25°C/77°F</b>	Solubility in water <b>Insoluble</b>
Solubility in organic solvent <b>Soluble</b>	Partitioning coefficient <b>N/Av.</b>	Flash point <b>N/Av.</b>	Percent volatiles <b>Nil</b>
<b>SECTION 10 – STABILITY AND REACTIVITY DATA</b>			
Stability <b>Stable</b>	Hazardous polymerization <b>Will not occur.</b>		
Incompatibility Normally unreactive; however avoid contact with strong oxidizing agent (ex. Peroxides, chlorine).			
Hazardous decomposition products Burning can produce noxious and toxic fumes, and the following combustion products: Oxides of carbon & Acrolein.			
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>			
Carcinogenicity <b>Not listed, not carcinogenic to date.</b>	Mutagenicity / Teratogenicity <b>Not listed</b>		
Irritancy of Material <b>Moderate potential irritant for eyes and mucosa.</b>	Sensitizing Capability <b>None known</b>		
Reproductive Effects <b>None known</b>	Synergistic Materials <b>None known</b>		
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>			
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.			
<b>SECTION 13 – DISPOSAL CONSIDERATION</b>			
Incineration is probably the best mean of disposal. Dispose as industrial waste in accordance with appropriate Federal, State and local regulation.			
<b>SECTION 14 – TRANSPORT INFORMATION</b>			
Dot Hazard Classification <b>Not regulated</b>			
IATA Classification <b>Not regulated</b>			
ICAO Classification <b>Not regulated</b>			
IMO Classification			

Not regulated	
TDG Hazard Classification Not regulated	
UN / NA Hazard No. None necessary	
Other N/Av.	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
Hazard Details of SECTION 2	<b>1</b> Appears on the Pennsylvania Hazardous Substance 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	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	SDS 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	SDS 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	SDS of the product is made following the Z400.1-1993 standards of the ANSI.
<b>SECTION 16 – OTHER INFORMATION</b>	
N/Av. = Not Available	
SDS Originally made by Karl Pinard	Revised by Federico Segovia

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.

## TWIST-IT LIVESTOCK MARKER PRODUCTS

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<b>Product code</b>	<b>Product Description</b>
PC31001	Purple
PC31002	Yellow
PC31003	White
PC31004	Blue
PC31008	Black
PC31009	Red
PC31010	Green
PC31012	Orange
PC31046	Fl.Pink
PC31047	Fl.Green