

CARMEL GROUP INC.

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Livestock tattoo ink		Revision date 10/23/17
Previous revision date N/A	Product code TI30308/TI30310	Material use For marking livestock. Formulated to be long lasting and highly visible.
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 Internet : www.carmelindustries.com		EMERGENCY PHONE NUMBER CHEMTREC USA 800-424-9300 International 1-703-527-3887

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Preparation Hazards and Classification

Canada: This is not a controlled product under WHMIS. This product meets the definition of a "Manufactured article" and is not subject to the regulation of the Hazardous Products Act.

USA: This product is not a hazardous material as defined by 29 CFR1910.1200 the OSHA Hazard Communication Evaluation. This product meets the definition of an "article".

European Communities (EC): This product is not classified as dangerous according to Directive 1999/45/EC and its amendments. This product contains a small amount of a liquid preparation which contains dangerous ingredients. However there is no expected release of the liquid during use of the product and there is a barrier preventing exposure of the user and the environment.

Hazardous Ingredients	CAS #	Amount (%)	ELINCS/EINECS NUMBER	CLASSIFICATION
Titanium Dioxide	13463-67-7	<10		

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview

Keep away from children. The product contains no substance at a significant concentration to be considered hazardous to health.

SKIN CONTACT	Prolonged or repeated exposure may result in contact dermatitis which is characterized by redness, itching, drying and/or cracking of the skin. This product contains hazardous component(s) which may be absorbed through the skin.
EYE CONTACT	The Ink containing in this marker may cause mild to moderate eye irritation. Direct contact or excessive exposure to vapors may cause redness, tearing and stinging.
INHALATION	Non-hazardous in accordance with international standards for workplace safety.
INGESTION	Ingestion of the ink may cause gastrointestinal irritation, headache, nausea, vomiting, diarrhea, dizziness, loss of coordination and fatigue.
CHRONIC EFFECTS	Chronic overexposure to the ink may result in liver abnormalities.
Medical Condition Aggravated by Exposure	No further relevant information

Potential Health Effects (NFPA Classification)

Fire hazard : 0	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 : 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	In case of direct contact, flush eyes with generous amounts of water for at least 15 minutes. Call a physician to attend to the injury if irritation or redness persists.
SKIN CONTACT	Wash affected area thoroughly with soap and water. Call a physician to attend to the injury if irritation or redness persists.
INHALATION	Remove individual to a well-ventilated area for fresh air. If breathing difficulties develop, oxygen should be administered by qualified personnel. Call a physician to attend to the injury.
INGESTION	Ingestion is an unlikely route of exposure under normal industrial condition. If material is Ingested, immediately call a physician.

ADDITIONAL INFO	None
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SECTION 5 – FIRE FIGHTING MEASURES

Ignition temperature n/a	Flash Point Category (OSHA) IB – Non combustible	Flammability (inks) n/a
Extinguishing Media	Extinguish with multipurpose fire extinguisher	
Special Firefighting Procedure	Product s noncombustible, no need for special firefighting procedure.	
Unusual Fire and Explosion Hazards	n/a	

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Small Spills	Cover remaining spilled product with dry powder, dry sand, or Vermiculite. Eliminate all source of ignition & ventilate area of spill. The product may be already dry before powders are applied.
Large Spills	Unlikely to occur in marker format

SECTION 7 – HANDLING AND STORAGE			
Handling procedures	None special needed. Don't break or burn the marker		
Storage precautions	Normal precaution should be followed. Store in a dry & cool place, out of direct 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	None if product is properly used.		
Protective gloves	For repeated use, wear rubber gloves to prevent skin contact.		
Eye protection	None if product is properly used.		
Clothing	Standard industrial.		
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance Round bottle	Odor Neutral	Physical state Liquid @ 25°C/77°F	Boiling point 78°C/173°F
Melting Point n/a	Specific gravity (H ₂ O=1) >1	Evaporation rate (vs. Butyl Acetate) <0.01 @ 25°C/77°F	Solubility in water Soluble
Vapor density vs air Heavier	Partitioning Coefficient n/a	Typical density (lbs/gal) 7.69-9.64	Percent volatiles 10% to 20%
SECTION 10 – STABILITY AND REACTIVITY DATA			
Stability Stable	Hazardous polymerization Will not occur.		
Incompatibility	Normally non-reactive; however avoid contact with strong oxidizing agents (e.g. peroxides and chlorine)		
Hazardous decomposition products	Combustion can produce CO, CO ₂ .		
SECTION 11 – TOXICOLOGICAL INFORMATION			
Irritancy of Material Cause eye & skin irritation.	Sensitizing Capability None known		
Mutagenicity / Teratogenicity Not listed	Synergistic Materials None known		

Acute Toxicity Data

Under standard conditions of use no harm to healthy is known.

SECTION 12 – ECOLOGICAL INFORMATION

In the environment, active ingredient is expected to remain in water or migrate through soil to groundwater. Harmful effects to aquatic organisms could occur

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. Not Regulated.	
Other N/Av.	
SECTION 15 – REGULATORY INFORMATION	
Nothing to report.	
SECTION 16 – OTHER INFORMATION	
Full text of R-phrases appearing in Section 2	R36: Irritating to eyes R38: Irritating to skin
N/Av.=NOT AVAILABLE	
SDS Originally made by Federico Segovia	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.

LIVESTOCK TATTOO INK PRODUCTS

Product Code

TI30208
TI30210

Product Description

Black ink bottle (16oz)
Green ink bottle (16oz)