

CARMEL GROUP INC.

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Product Animal ink paste | | Revision date 10/23/17 |
| Previous revision date N/A | Product code TI30408/ TI30410/ TI30508/ TI305010/ TI30608/ TI30610 | Material use For marking livestock. Indelible ink paste in a squeezable cylinder bottle for easy dispensing. |
| 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.

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| 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

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| 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. |

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| ADDITIONAL INFO | None |
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SECTION 5 – FIRE FIGHTING MEASURES

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| 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 is noncombustible, no need for special firefighting procedure. | |
| Unusual Fire and Explosion Hazards | n/a | |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| 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.

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| 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 AVAILBLE | |
| 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

TI30408
TI30410
TI30508
TI30510
TI30608
TI30610

Product Description

Black ink paste (6oz)
Green ink paste (6oz)
Black ink paste (8oz)
Green ink paste (8oz)
Black ink paste (16oz)
Green ink paste (16oz)