

MATERIAL SAFETY DATA SHEET

Section 1. Identification of the Product / Preparation and the Company

Product Name: F-264 Marking Ink, All Colors

Manufacturer: Carco, Inc Email: sales@carcousa.net
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EMERGENCY PHONE NUMBER

ChemTel (MIS0001475) 1-800-255-3924 International +01.813-248-0585

Section 2. Composition / Information on Ingredients

Components	CAS Number	EINECS Number	Weight %	EU Classification
1-Propoxy 2-Propanol	1569-01-3	216-372-4	45-55	F: R-10, Xi R-36/37/38
1-Methoxy 2- Propanol	107-98-2	203-539-1	10-12	F: R-10
1-Methoxy Propanol Acetate	108-65-6	203-603-9	10-15	F: R-10, Xi R-36

This product is REACH and RoHS compliant. It does not contain any chemical from the candidate list of Substances of Very High Concern (SVHC), Annex XIV, or Annex XVII of REACH. It does not contain any of the RoHS listed substances

Please refer to Section 15 for the full text of the EU classification and R phrases.

Section 3. Hazards Identification

Flammable. Irritating to eyes. Vapors may cause drowsiness and dizziness.

HMIS: Health H:2 Moderate Flammability F:2 Moderate Reactivity R:1 Slight

WHMIS:

B2 Flammable Liquid



D2B Irritating to eyes and skin



Section 4. First Aid Measures

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION: DO NOT INDUCE VOMITING!
Rinse mouth thoroughly. Get medical attention.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Section 5. Fire Fighting Measures



NFPA :

EXTINGUISHING MEDIA: Use foam; extinguishing powder; dry chemicals; carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

Section 6. Accidental Release Measures

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

Section 7. Handling and Storage

USAGE PRECAUTIONS: Keep away from heat, sparks, and open flame. Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Keep containers tightly closed in a cool, well ventilated place. Do not store with oxidizing agents or acids. Keep in the original container. Avoid direct sunlight.

Section 8. Exposure Controls / Personal Protection

EXPOSURE LIMIT VALUES

Ingredient Name:	CAS No.:	EINCS No.:	List	Type	Value
1-Propoxy 2-Propanol	1569-01-3	216-372-4	OSHA Table ACGIH	N/L N/L	
1 Methoxy 2 Propanol	107-98-2	203-539-1	ACGIH ACGIH	TWA STEL	100 ppm 150 ppm
1 Methoxy Propanol Acetate	108-65-6	203-603-9	ACGIH ACGIH	TWA STEL	100 ppm (est) 150 ppm (est)

Personal Protective Equipment



- Ventilation:** All handling to take place in well ventilated area.
- Respirators:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL)
- Protective Gloves:** Use protective gloves.
- Eye Protection:** Wear approved safety goggles.
- Other Protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
- Hygienic Work Practices** Do not smoke, eat, or drink in work area. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Section 9. Physical and Chemical Properties

Form:	clear liquid
Odor:	sweet, glycol ether odor
Boiling Point	121° C 250° F
Density/Specific Gravity	0.90- 1.1 g/ml
Flash Point	43°-46° C 110°-114° F Method (Setaflash)
Vapor Pressure (mm Hg)	< 10
Vapor Density (air=1)	>3
Flammable Units (% in air)	LEL 1.3 UEL 16.9
Solubility in water	85-90%
Evaporation Rate (BU.AC=1)	0.22
Percent Volatile (%)	75-85%
Volatile Organic Compound(VOC)	80 wt-% Approximately 6.5 Lbs /gal

Section 10. Stability and Reactivity

- Stability:** Normally stable
- Conditions to avoid:** Avoid heat, flames and other sources of ignition
- Incompatibility:** Strong oxidizers
- Hazardous decomposition:** None
- Hazardous Polymerization:** Will not occur

Section 11. Toxicological Information

- Skin:** Moderate to severe skin irritant Repeated or prolonged contact may cause dermatitis. .

Eyes: Severe eye irritant.

Ingestion: May cause stomach pain or vomiting.

Acute toxicity: Oral LD-50 :(rat) 2,504 mg/kg
Oral LD-50 :(rabbit) 3,550 mg/kg

Inhalation: Inhalation of vapors may lead to nausea, headache, drowsiness and dizziness.

Section 12. Ecological Information

General information: Not regarded as dangerous for the environment. Do not discharge into the drains or waters.

Acute Aquatic Effects: LC-50, 96 hrs, (fish) 9600 mg/l
IC-50, 72 hrs (algae) 1800 mg/l

Section 13. Disposal Considerations

Disposal methods: Dispose of in accordance with Local Authority requirements. Absorb in vermiculite or dry sand.

Section 14. Transport information

Label for conveyance:



Ground Transport: Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: III

IMDG: Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: III
EmS Number: F-E, S-D
Marine Pollutant: No

ICAO/IATA Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: III
Cargo Packing Instruction: 364
Passenger Packing Instruction: 353

Section 15. Regulatory Information

Label for supply:

Xi: Irritant



F: Flammable



Risk phrases: R-10 Flammable

F-264 Marking Ink, All Colors

R-36 Irritating to eyes
R-36/37/38 Irritating to eyes. Respiratory system and skin

Safety Phrases: S-2 Keep out of the reach of children
S-16 Keep away from sources of ignition – No Smoking
S-24 Avoid contact with skin
S-25 Avoid contact with eyes
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36 Wear suitable protective clothing

EPA/TSCA : All ingredients are listed on the EPA-TSCA Inventory

DSL/SEPA: All ingredients are listed on the Canadian DSL

SARA 313: Reportable

Section 16. Other Information

This information is based on our present knowledge. However, it does not constitute a guarantee for any specific product properties.

Carco urges the recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. The use of this product is beyond the control Carco or it's distributor, therefore, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

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