MATERIAL SAFETY DATA SHEET

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

Product Name: 1000-I Fluorescent Marking Ink

Manufacturer: Carco, Inc
Email: sales@carcousa.net
10333 Shoemaker
P.O. Box 13859
Detroit, Michigan, USA 48213
Phone +1 (313) 925-9000 Fax +1 (313) 925-9602

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

Section 2. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>EINECS Number</th>
<th>Weight %</th>
<th>EU Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>80-90</td>
<td>F: R-11, Xi, R-11, 36, 67</td>
</tr>
</tbody>
</table>

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

Highly flammable. Irritating to eyes. Vapors may cause drowsiness and dizziness.

HMIS: Health H:1 Slight  Flammability F:3 Serious  Reactivity R:1 Slight
WHMIS:

B2 Flammable Liquid

Section 4. First Aid Measures

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
1000-I Fluorescent Marking Ink

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

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: Isopropanol
CAS No.: 67-63-0
EINCS No.: 200-661-7
List
OSHA Table
ACGIH
ACGIH
OES/EH40
Type
PEL
TWA
STEL
TWA
Value
980 mg/m³
400 ppm
200 ppm
400 ppm
999 mg/m³
400 ml/m³

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

<table>
<thead>
<tr>
<th>Form</th>
<th>colored liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>sweet, alcohol like</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>82°C 160°F</td>
</tr>
<tr>
<td>Density/Specific Gravity</td>
<td>0.810 g/ml 20°C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>10°-15°C 50°-60°F Method (Setaflash)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>4.16 kPa 20°C</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>&gt;2</td>
</tr>
<tr>
<td>Flammable Units (% in air)</td>
<td>LEL 3.0 UEL 19.0</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>95%</td>
</tr>
<tr>
<td>Evaporation Rate (BU.AC=1)</td>
<td>1.6</td>
</tr>
<tr>
<td>Volatile Organic Compound(VOC)</td>
<td>85-95 wt-% Approximately 6.0 Lbs /gal</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

Stability: Normally stable

Conditions to avoid: Avoid heat, flames and other sources of ignition

Incompatability: Strong oxidizers

Hazardous decomposition: None

Hazardous Polymerzation: Will not occur

### Section 11. Toxicological Information

Skin: This material has a low potential to cause allergic skin reactions. May cause removal of natural fat from the skin.

Eyes: Irritating to the eyes.

Ingestion: May cause stomach pain or vomiting.

Acute toxicity: 
- Oral LD-50 :(rat) 5,800 mg/kg
- Oral LD-50 :(rabbit) 7,900 mg/kg
- Oral LD-50: (dog) 6,200 MG/KG
- Inhalation LC-50: (rat) 8 h: 12000 ppm

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:**

![Label](image)

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

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

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

**Section 15. Regulatory Information**

**Label for supply:**

![Label](image)

**Xi:** Irritant  
**F:** Flammable

**Risk phrases:**
- R-11 Highly flammable
- R-36 Irritating to eyes
- R-67 Vapors may cause drowsiness and dizziness

**Safety Phrases:**
- S-7 Keep container tightly closed
- 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-51 Use only in well ventilated areas.

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