

# MATERIAL SAFETY DATA SHEET

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

Product Name: F-264 Solvent

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

Email: [sales@carcousa.net](mailto:sales@carcousa.net)

### 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	100	F: R-10, Xi, R36/37/38

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

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:



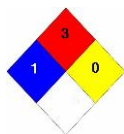
## Section 4. First Aid Measures

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	PEL	n/l
			ACGIH	TWA	n/l
			ACGIH	STEL	n/l

#### Personal Protective Equipment



**Ventilation:** All handling to take place in well ventilated area.

<b>Respirators:</b>	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL)
<b>Protective Gloves:</b>	Use protective gloves.
<b>Eye Protection:</b>	Wear approved safety goggles.
<b>Other Protection:</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
<b>Hygienic Work Practices</b>	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

<b>Form:</b>	colored liquid
<b>Odor:</b>	sweet, alcohol like
<b>Boiling Point</b>	150° C    302° F
<b>Density/Specific Gravity (H<sub>2</sub>O=1)</b>	0.83
<b>Flash Point</b>	48°- C    118.4°F    Method (TCC)
<b>Vapor Pressure</b>	1.7 mm Hg    Temperature (°C)    20
<b>Vapor Density (air=1)</b>	>2
<b>Flammable Units (% in air)</b>	LEL 1.3 UEL 16.9
<b>Solubility in water</b>	100%
<b>Evaporation Rate (BU.AC=1)</b>	0.22
<b>Percent Volatile (%)</b>	100
<b>Volatile Organic Compound(VOC)</b>	100 wt-% :    Approximately 7.4 Lbs /gal

## Section 10. Stability and Reactivity

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

## Section 11. Toxicological Information

<b>Skin:</b>	This material has a low potential to cause allergic skin reactions. May cause removal of natural fat from the skin.	
<b>Eyes:</b>	Irritating to the eyes.	
<b>Ingestion:</b>	May cause stomach pain or vomiting.	
<b>Acute toxicity:</b>	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) 3,421 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: Flammable Liquid n.o.s. (Propylene Glycol N-Propyl Ether)  
Hazard Class: 3 ID Number: UN1993 Packing Group: III

**IMDG:** Proper Shipping Name: Flammable Liquid n.o.s. (Propylene Glycol N-Propyl Ether)  
Hazard Class: 3 ID Number: UN1993 Packing Group: III  
EmS Number: F-E, S-D  
Marine Pollutant: No

**ICAO/IATA** Proper Shipping Name: Flammable Liquid n.o.s. (Propylene Glycol N-Propyl Ether)  
Hazard Class: 3 ID Number: UN1993 Packing Group: III  
Cargo Packing Instruction: 366  
Passenger Packing Instruction: 355

## Section 15. Regulatory Information

**Label for supply:**

**Xi:** Irritant



**F:** Flammable



**Risk phrases:**

R-11 Highly flammable  
R-36 /37/38 Irritating to skin/eyes

**Safety Phrases:**

S-7 Keep container tightly closed  
S-16 Keep away from sources of ignition – No Smoking

S-24/25 Avoid contact with skin and 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

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

**SARA 313:** Not 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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