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## SAFETY DATA SHEET

### SECTION 1 - Identification

#### 1.1 Product Identifier

Product Name • CARPOL® NIONIC™ L-64 Surfactant  
Synonyms • Polyalkylene glycol

#### 1.2 Recommended Use of the Chemical and Restrictions on Use

Recommended Use • Nonionic surfactant  
Restrictions on Use • Industrial use only

#### 1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer • Carpenter Co.  
5016 Monument Ave.  
Richmond, Virginia 23230  
(804) 233-0606

#### 1.4 Emergency Telephone

Chemtrec • (800) 424-9300 (24-hr number)

### SECTION 2 - Hazards Identification

#### 2.1 Classification of the Substance or Mixture

This material is not classified as hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 2.2 GHS Label Elements

This material is not classified as hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 2.3 Hazards Not Otherwise Classified

None identified

### SECTION 3 - Composition/Information on Ingredients

#### 3.1 Substance

Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### 3.2 Mixtures

Name	Identifier	% (weight)
Polyalkylene glycol	CAS# 9003-11-6	99-100

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

## SECTION 4 - First Aid Measures

### 4.1 Description of First Aid Measures

- |                            |   |
|----------------------------|---|
| By route of inhalation     | • Remove victim to fresh air.   |
| By route of dermal contact | • Wash thoroughly with soap and water. If irritation occurs, seek medical attention.  |
| By route of eye contact    | • Flush with plenty of water. If irritation occurs, seek medical attention.   |
| By route of ingestion      | • If victim is conscious, give 1 to 2 glasses of water. Do not induce vomiting unless directed to do so by medical personnel. |

### 4.2 Most Important Symptoms and Effects, Acute and Chronic

Refer to Section 11 Toxicological Information.

### 4.3 Indication of Immediate Medical Attention and Special Treatment If Needed

Treat symptomatically and supportively.

## SECTION 5 - Firefighting Measures

### 5.1 Extinguishing Media

- |                                |  |
|--------------------------------|--|
| Suitable Extinguishing Media   | • Dry chemical, foam, carbon dioxide, water fog or fine spray. |
| Unsuitable Extinguishing Media | • Do not use direct water spray. May spread fire.              |

### 5.2 Special Hazards Arising From the Substance or Mixture

- May produce oxides of carbon on combustion. Smoke may be toxic and/or irritating.

### 5.3 Special Protective Actions for Firefighters

- Responding personnel must wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing. Spray cool water on fire exposed containers to reduce risk of rupture.

## SECTION 6 - Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment, and Emergency Procedures

- Isolate the area. Keep unauthorized people away. Do not touch or walk through the spilled material. Spilled material may be slippery. Ensure adequate ventilation in enclosed area. Eliminate all ignition sources. Use protective equipment appropriate for the size of the spill.

### 6.2. Environmental Precautions

- Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

### 6.3 Methods and Materials for Containment and Clean Up

#### Methods

- Stop leak, dam spill, and transfer liquid into a suitable container.
- Collect residue with absorbent and transfer into a suitable container for proper disposal.

#### Materials

- Inert absorbent (sand, earth or similar).

### 6.4 Reference to Other Sections

- Refer to Section 8 for exposure control and personal protective equipment information.
- Refer to Section 12 for ecological information.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

- Keep containers tightly closed when not in use.
- Do not eat, drink, or smoke in working area.
- Avoid contact with eyes and minimize contact with skin
- Use good safety and industrial hygiene practices.
- Wash thoroughly after handling.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

#### Storage

- Store materials in a cool, dry place. Do not transport with oxidizers.

#### Incompatibilities

- Oxidizing materials, strong alkalis and acids, isocyanates.

## SECTION 8: Exposure Controls/ Personal Protection

### 8.1 Control Parameters

#### Exposure Limits/Guidelines

- None established.

### 8.2 Exposure Controls

Engineering Controls	<ul style="list-style-type: none"> <li>• Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limits.</li> </ul>
Eye/Face Protection	<ul style="list-style-type: none"> <li>• Safety glasses with side shields. Chemical goggles if there is a significant risk of splashing.</li> </ul>
Respiratory Protection	<ul style="list-style-type: none"> <li>• None required under normal use. If product is heated or sprayed, appropriate respiratory protection may be needed.</li> </ul>
Skin Protection	<ul style="list-style-type: none"> <li>• Wear suitable working clothes and shoes.</li> <li>• Depending on the potential for exposure, chemical resistant gloves may not be needed (e.g., incidental use). As with any chemical, skin contact should be minimized with good work practices and PPE where needed. Wear chemical resistant gloves appropriate for the intended use. Consult glove manufacturers for assistance in choosing appropriate gloves.</li> </ul>
Ingestion	<ul style="list-style-type: none"> <li>• Do not eat, drink or smoke in work area. Wash hands before eating or smoking.</li> </ul>
Additional Protection Measures	<ul style="list-style-type: none"> <li>• None</li> </ul>

**SECTION 9: Physical and Chemical Properties**

**9.1 Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	• Liquid	Odor	• Low
Appearance /Color	• Colorless to white	Odor Threshold	• No data available
<b>General Properties</b>			
Boiling Point	• No data available	Melting Point	• No data available
Decomposition Temperature	• No data available	pH	• No data available
Density (at 25°C)	• No data available	Water Solubility	• High
Solvent Solubility	• No data available	Viscosity (at 25°C)	• No data available
Explosive Properties	• No data available	Specific Gravity/Relative Density	• 1.04-1.05 (H <sub>2</sub> O=1)
<b>Volatility</b>			
Vapor Pressure	• No data available	Vapor Density	• No data available
Evaporation Rate	• No data available	VOC (Vol.)	• No data available
Volatiles (Vol.)	• No data available		
<b>Flammability</b>			
Flash Point	• >200°F (PMCC)	LEL	• No data available
UEL	• No data available	Flammability (solid, gas)	• No data available
Auto-ignition Temperature	• No data available		
<b>Environmental</b>			
Octanol/Water Partition Coefficient	• No data available		

**9.2. Other Information**

No additional information available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical Stability

Stable under normal temperatures and pressures.

### 10.3 Possibility of Hazardous Reactions

No hazardous reactions if handled and stored as recommended.

### 10.4 Conditions to Avoid

Elevated temperatures

### 10.5 Incompatible Materials

Oxidizing materials, strong alkalis and acids.

### 10.6 Hazardous Decomposition Products

Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Hydrocarbons.  
Ketones. Organic acids. Polymer fragments

## SECTION 11: Toxicological Information

### 11.1 Information on Toxicological Effects

Most likely routes of exposure are eye and skin.

#### Acute Toxicity

<b>LD<sub>50</sub> oral rat</b>	<b>LD<sub>50</sub> dermal rabbit</b>	<b>LC<sub>50</sub> inhalation rat</b>
>4,000 mg/kg	>10,000 mg/kg	No data available

#### Skin Corrosion/Irritation

- Based on available information, skin corrosion/irritation is not expected under normal conditions of use.

#### Serious Eye Damage/Irritation

- Based on available information, eye damage/irritation criteria are not met.
- May cause slight temporary eye irritation.

#### Respiratory or Skin Sensitization

- Based on available information, sensitization criteria are not met.

#### Germ Cell Mutagenicity

- Available studies have not indicated this material to be a mutagen.

#### Carcinogenicity

- This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP.

#### Reproductive Toxicity

- No data available

**Specific Target Organ Toxicity (single exposure)**

- No data available

**Specific Target Organ Toxicity (repeated exposure)**

- No data available

**Aspiration Hazard**

- No data available

**11.2 Potential Health Effects**

**Inhalation**

- |         |  |
|---------|--|
| Acute   | • Not expected to be a hazard due to low vapor pressure. |
| Chronic | • None known.  |

**Skin**

- |         |                                |
|---------|--------------------------------|
| Acute   | • May cause slight irritation. |
| Chronic | • None known.                  |

**Eye**

- |         |                                |
|---------|--------------------------------|
| Acute   | • May cause slight irritation. |
| Chronic | • None known.                  |

**Ingestion**

- |         |  |
|---------|--|
| Acute   | • Large amounts swallowed may cause gastrointestinal discomfort. |
| Chronic | • None known.  |

**SECTION 12: Ecological Information**

**12.1 Ecotoxicity**

This product is not expected to cause significant effects in the aquatic environment.

**12.2 Persistence and Degradability**

No data available

**12.3 Bioaccumulative Potential**

No bioconcentration is expected because of the relatively high molecular weight.

**12.4 Mobility in Soil**

No data available

**12.5 Other Adverse Effects**

No data available

**SECTION 13: Disposal Considerations**

**13.1 Waste Disposal Method**

Product Waste

- Do not dump into any sewers, on the ground, or into any body of water.
- All disposal methods must be in compliance with Federal, State/Provincial, and local regulations.

Packaging Waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**SECTION 14: Transport Information**

**U.S. DOT**

Not regulated as hazardous for shipment.

**SECTION 15: Regulatory Information**

**15.1 Regulatory Status**

**CERCLA Hazardous Substances (40 CFR 302):** None reportable.

**SARA 311/312:** None reportable

**SARA 313:** None reportable

**15.2 US State Regulations**

**STATE RIGHT-TO-KNOW:** To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

**15.3 Canadian Regulations**

**DSL:** At least one component is not listed on the DSL.

**15.4 International Inventories\***

**United States:** All components of this product are listed on the TSCA inventory.

\*=Although a chemical may be listed on a country's inventory, it may not indicate a hazard or regulatory control for use.

**SECTION 16: Other Information**

**16.1 HMIS AND NFPA RATINGS**

**HMIS Classification**

Health: 1  
Flammability: 0  
Reactivity: 0

**NFPA Ratings**

Health: 1  
Flammability: 0  
Instability: 0  
Special: None

**16.2 EU CLP Relevant Phrase**

Not classified

**16.3 Preparation By**

I.H. Department

**16.4 Preparation Date**

July 21, 2015

**16.5 Last Revision Date**

Not applicable

**16.6 Disclaimer/Statement of Liability**

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