



# Material Safety Data Sheet

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Revision Date 25-Jun-2014

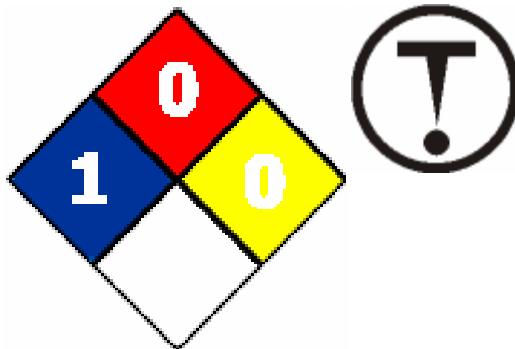
Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	SWEPCO 920 Semi-Synthetic Coolant
Product Code	W30961
Chemical Family	Petroleum hydrocarbon
Recommended Use	Metalworking fluid
Supplier Address	Southwestern Petroleum Corporation, 534 North Main St, Fort Worth, TX 76106 USA 1-800-877-9372 <a href="http://www.swepcousa.com">www.swepcousa.com</a>
Emergency Telephone Number	Chemtrec 1-800-424-9300 in US; Canutec 1-613-996-6666 in Canada.
UN-No	None

## 2. HAZARDS IDENTIFICATION

Emergency Overview	Not expected to present a significant health hazard upon short term exposure. May cause skin irritation and/or dermatitis. May be harmful if swallowed. Product is combustible but will not readily ignite.
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NFPA					
Health	1	Flammability	0	Instability	0
WHMIS		D2B - Other Toxic			
Appearance	Green	Physical State	Liquid	Odor	Petroleum distillates
Principle Routes of Exposure		Skin contact. Eye contact.			

### Acute Health Effects

<b>Skin</b>	Avoid prolonged and/or repeated contact with skin. Prolonged and/or repeated contact with this material may produce skin irritation or inflammation. Personnel with pre-existing skin disorders should avoid contact with this product.
<b>Eyes</b>	Contact with eyes may cause irritation.
<b>Inhalation</b>	Avoid breathing of vapors or spray mist. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m <sup>3</sup> ; ACGIH TLV STEL: 10 mg/m <sup>3</sup> ; OSHA PEL TWA: 5 mg/m <sup>3</sup> ).
<b>Ingestion</b>	Ingestion is not considered a likely route of exposure. Low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury and possibly death.
<b>Carcinogenic Effects</b>	Carcinogenic effect of the complete mixture has not been evaluated. Information on individual ingredients which may have carcinogenic effects, if any, will be found in Section 3 & 11.

### Chronic Health Effects

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons

**Aggravated Medical Conditions** No information available.

See Section 11 for additional toxicological information.

See Section 12 for ecological information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

If any of the components of this product are defined as hazardous by OSHA Hazard Communication Standard 1910.1200 and are present at 1% or more (0.1% or more for carcinogens) or are considered hazardous components according to Canadian WHMIS standards, they will be listed in this section. If no components appear in this section, no components of the product meet or exceed the reporting requirements.

Component	CAS-No	EINECS	Weight %	IARC	OSHA	NTP Carc	WHMIS
Triethanolamine 102-71-6 ( 1 - 9.99 )	102-71-6	203-049-8	1 - 9.99	-	-	-	D2B

## 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Consult a physician or Poison Control Center immediately. Do not induce vomiting without medical advice.

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Suitable Extinguishing Media</b>	Water spray or fog, dry chemical, carbon dioxide (CO2) or foam. Cool containers with flooding quantities of water until well after fire is out
<b>Hazardous Combustion Products</b>	No information available.
<b>Specific Hazards Arising from the Chemical</b>	Keep product and empty container away from heat and sources of ignition.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Use inert absorbent materials to confine spills and absorb spill.
<b>Methods for Clean-up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
<b>Other Information</b>	Report spills as required to the appropriate authorities.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

The table below lists known exposure levels for any components of this product which are considered hazardous. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients. If no table appears below, occupational exposure limits have not been established or are not known for any of the ingredients in this product:

Chemical Name	ACGIH TLV	OSHA PEL	Quebec OEL	Ontario TWAEV	EU OEL
Triethanolamine	TWA: 5 mg/m <sup>3</sup>			TWA: 0.5 ppm TWA: 3.1 mg/m <sup>3</sup>	

### Engineering Controls

Use in well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m<sup>3</sup>; ACGIH TLV STEL: 10 mg/m<sup>3</sup>; OSHA PEL TWA: 5 mg/m<sup>3</sup>).

### Eye/face Protection

Safety glasses with side-shields.

### Skin Protection

Use protective gloves and clothing if contact with product is likely.

### Respiratory Protection

If personal exposure levels cannot be maintained below accepted exposure limits or if irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green	Odor	Petroleum distillates
Physical State	Liquid	pH	
10.21			
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	> 100 °C	Melting Point/Range	Not applicable
Flammability Limits in Air, %		Not applicable	
Specific Gravity (Water=1)	1.01	Solubility In Water	Insoluble
Vapor Density (Air=1)	> 1	Volatiles, % Vol	No data available

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions.

### Conditions to Avoid

No information available.

### Incompatible Materials

Incompatible with strong acids and bases. Strong oxidizing agents. Aldehydes, ketones, organic anhydrides.

### Hazardous Decomposition Products

No information available.

### Hazardous Polymerization

Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

Toxicity of this complete mixture has not been evaluated. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no toxicological information available for any of the components of the mixture.

### Acute Toxicity

The table below indicates toxicological information for specific ingredients at concentrations indicated. If no table appears, no toxicological information was found.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Triethanolamine	4190 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	

### Chronic Toxicity

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. If no table appears, no toxicological information was found.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity and biodegradability of this complete mixture have not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water and should not be considered readily biodegradable. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no ecotoxicity or biodegradability information available for any of the components of the mixture.

Chemical Name	Freshwater Algae	Microtox	Water Flea	DOT Marine Pollutant
Triethanolamine	EC50 = 169 mg/L 96 h EC50 = 216 mg/L 72 h	EC50 > 10000 mg/L 30 min	EC50 = 1386 mg/L 24 h	

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Dispose of contents/container in accordance with local regulation.

## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated

<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

**U.S. Regulations & Inventories** The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	TSCA	TSCA 12(b)	CERCLA/SARA 313 (de minimis concentration)	SARA Hazardous Substance Required Qty
Triethanolamine	102-71-6	Present	-	-	-

**U.S. State Right-to-Know Regulations** The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	Calif. Prop. 65	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Triethanolamine		X		X	X

**Canada Regulations & Inventories** The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	DSL	NDSL	WHMIS
Triethanolamine	102-71-6	X	-	D2B

This product has been classified in accordance with the hazard criteria of the Candian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

**International Regulations & Inventories** The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	EINECS	AICS	CHINA	ENCS	PICCS
Triethanolamine	203-049-8	X	X	X	X

## 16. OTHER INFORMATION

### Regulatory Lists Searched & Other Sources of Information

ACGIH - American Converence of Governmental Industrial Hygienists  
ADN - European Agreement for International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement for International Carriage of Dangerous Goods by Road  
AICS - Australian Inventory of Chemical Substances  
ANSI - American National Standards Institute  
CAP65 - California Proposition 65 Hazard List

CAS - Chemical Abstract Services  
CERCLA - Comprehensive Environmental Response, Compensation & Liability Act  
CHINA - China Inventory  
CPR - Canadian Controlled Products Regulations  
DOT - United States Department of Transportation  
DSL - Canada Domestic Substances List  
EINECS - European Union (EU) European Inventory of Existing Commercial Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Dangerous Goods Code  
MARTK - Massachusetts Right To Know List  
NDSL - Canada Non-Domestic Substances List  
NFPA - United States National Fire Protection Association  
NIOSH - United States National Institute for Occupational Safety & Health  
NJRTK - New Jersey Right To Know List  
NTP - United States National Toxicology Program  
OSHA - United States Occupational Safety & Health Administration  
PARTK - Pennsylvania Right To Know List  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
RCRA - United States Resources Conservation & Recovery Act  
RID - European Agreement for International Carriage of Dangerous Goods by Rail  
RIHSL - Rhode Island Hazardous Substance List  
SARA - United States Superfund Amendments & Reauthorization Act  
TDG - Canada Transportation of Dangerous Goods Act  
TSCA - US Toxic Substances Control Act  
WHMIS - Canada Workplace Hazardous Materials Information System

## **Definitions**

EC50 - Effective Concentration (Concentration of a compound where 50% of the expected effect is observed.)  
LC50 - Lethal Concentration (The concentration in water that will kill 50% of the test animals within a specific period of time, usually 96 hours.)  
LD50 - Lethal Dose (The single dose that will kill 50% of the test animals by any route other than inhalation such as by ingestion or skin contact.)  
OEL - Occupational Exposure Limit  
PEL - Permissible Exposure Limits  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TWA - Time Weighted Average  
TWAEV - Time Weighted Average Exposure Value

**Revision Date** 25-Jun-2014

**End of MSDS**