

# MATERIAL SAFETY DATA SHEET

CARBOTEC 80-

MSDS DATE: 5/29/12  
SUPERSEDES: NONE

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CARBOTEC 80  
MANUFACTURER/DISTRIBUTOR: CARBOTEC  
ADDRESS: 864 Hwy 311, Schriever, LA 70395  
CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616  
CHEMICAL NAME: Proprietary mixture  
CHEMICAL FAMILY: Nonionic Surfactant  
CHEMICAL FORMULA: Mixture  
PRODUCT USE: Adjuvant  
SECTION 1 NOTES: None

## SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	% WT	SARA 313 REPORTABLE	OSHA			ACGIH		
				TWA	STEL	Ceiling	TWA	STEL	Ceiling
Isopropyl Alcohol	67-63-0	<20	No	400 ppm			200 ppm	400 ppm	
Ethanol, 2, 2-oxybis	111-46-6	<20	No		Not established			Not established	
Ethylene oxide	75-21-8	<1 ppm	No	1 ppm	5ppm/15min			1 ppm	

SECTION 2 NOTES: None

## SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation  
POTENTIAL HEALTH EFFECTS  
EYES: May cause eye irritation.  
SKIN: Prolonged contact may cause irritation to skin with local redness on skin.  
INGESTION: May cause abdominal discomfort. Aspiration may occur during swallowing, resulting in lung damage.  
INHALATION: Avoid breathing vapors or spray mist. Use respiratory protection device when handling.  
ACUTE HEALTH HAZARDS: NA  
CHRONIC HEALTH HAZARDS: NA  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

### CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 3 NOTES: None

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## SECTION 4: FIRST AID MEASURES

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

## SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Unknown  
(% BY VOLUME) LOWER: Unknown

FLASH POINT:

F: 115

C: 46

METHOD USED:

PMCC

AUTOIGNITION TEMPERATURE:

F: NA

C: NA

NFPA HAZARD CLASSIFICATION

HEALTH: - FLAMMABILITY: - REACTIVITY: - OTHER: -

HMIS HAZARD CLASSIFICATION

HEALTH: - FLAMMABILITY: - REACTIVITY: - PROTECTION: -

EXTINGUISHING MEDIA:

Use National fire protection association Class B extinguishers (Carbon dioxide, water fog, dry chemical, or foam). Water may also be used.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool fire exposed containers with water. Wear NIOSH/OSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not known

HAZARDOUS DECOMPOSITION PRODUCTS: Not known

SECTION 5 NOTES: None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Certain releases of any substance to the environment are prohibited by law and may require reporting to an environmental agency. Remove all sources of ignition. Wear personal protective equipment to avoid breathing vapors. Use non-sparking tools. For small spills, dike and absorb with inert material. Use emergency response professionals if managing a release is beyond the capability of in-house personnel.

SECTION 6 NOTES: None

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Keep container tightly closed. Keep away from heat, sparks, and flame. Do not use with aluminum equipment at temperatures above 49 °C (120 °F)

SECTION 7 NOTES: None

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>VENTILATION :</b>	Where employees may be exposed, provide general dilution or local exhaust ventilation in volume and pattern to keep level of hazardous ingredient in Section 2 below recommended (ACGIH TLV) or regulate C (OSHA PEL) limit. Where employees will not be exposed, keep level below 25% of LEL in Sect. 2.
<b>RESPIRATORY PROTECTION:</b>	Not required under normal operating conditions.
<b>EYE PROTECTION:</b>	Safety glasses with slide shields or goggles.
<b>SKIN PROTECTION:</b>	Avoid skin contact by use of other protective clothing.
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT:</b>	A safety shower, an eyebath and washing facilities should be available.
<b>WORK HYGIENIC PRACTICES:</b>	Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
<b>EXPOSURE GUIDELINES:</b>	NA
<b>SECTION 8 NOTES:</b>	None

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	clear, to slight haze, amber
<b>ODOR:</b>	slight
<b>PHYSICAL STATE:</b>	liquid
<b>pH AS SUPPLIED:</b>	NA
<b>pH (Other):</b>	
<b>BOILING POINT:</b>	
F:	Unknown
C:	Unknown
<b>MELTING POINT:</b>	
F:	Unknown
C:	Unknown
<b>FREEZING POINT:</b>	
F:	Unknown
C:	Unknown
<b>VAPOR PRESSURE (mmHg):</b>	Unknown
@	
F:	
C:	
<b>VAPOR DENSITY (AIR = 1):</b>	Unknown
@	
F:	
C:	
<b>SPECIFIC GRAVITY (H2O = 1):</b>	1.018
@	
F: 68	
C: 20	
<b>EVAPORATION RATE:</b>	Unknown
<b>BASIS (butyl acetate=1):</b>	
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>VISCOSITY:</b>	Unknown
@	
F:	
C:	
<b>SECTION 9 NOTES:</b>	None

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY:      Stable       Unstable

CONDITIONS TO AVOID (STABILITY):                      None

INCOMPATIBILITY (MATERIAL TO AVOID):              Strong oxidizing agents such as hydrogen peroxide, bromine, and chromic acid.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:      None known

HAZARDOUS POLYMERIZATION:                              Will not occur

CONDITIONS TO AVOID (POLYMERIZATION):              None

SECTION 10 NOTES:    None

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:      Not available

SECTION 11 NOTES:    None

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:              Not available

SECTION 12 NOTES:    None

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:              This material is not classified as an ignitable hazardous waste according to federal regulations. Check with your state environmental agency to determine if this material is regulated in any way. No disposal method should be used which would pose an environmental or human health threat including any which would contaminate ground or surface waters.

RCRA HAZARD CLASS:    NA

SECTION 13 NOTES:    None

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

For less-than-tanker ground shipments only:

PROPER SHIPPING NAME:      Combustible Liquid, N.O.S.  
HAZARD CLASS:                      Combustible  
ID NUMBER:                              NA 1993  
PACKING GROUP:                      3  
LABEL STATEMENT:                      None

OTHER AGENCIES:    None

SECTION 14 NOTES:    None

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## SECTION 15: REGULATORY INFORMATION

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## U.S. FEDERAL REGULATIONS

### TSCA (TOXIC SUBSTANCE CONTROL ACT):

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

### CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Chemical Name	CAS Number	Range in %	RQ
Glycol ethers (fraction of product matching EPA definition)		0.31-0.9	1
Residual ethylene oxide (typical)	75-21-8	<0.001	10

### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

#### Section 302/304 Extremely Hazardous Substances

Chemical Name	CAS Number	Range in %	TPQ	RQ
Residual ethylene oxide (typical)	75-21-8	<0.001		

### 311/312 HAZARD CATEGORIES:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

### 313 REPORTABLE INGREDIENTS:

CAS Number	Chemical Name	Concentration
	Glycol ethers (fraction of product matching EPA definition)	0.31-0.9

## STATE REGULATIONS:

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29 CFR 1910.1047).

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

## SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

PREPARATION INFORMATION: Prepared on 5/29/12

### DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

**CARBOTEC**  
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