

# MATERIAL SAFETY DATA SHEET

RED RIVER 90

MSDS DATE: 4/1/2013

SUPERSEDES: NONE

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: RED RIVER 90

DISTRIBUTOR: Red River 90  
ADDRESS: P.O. Box 7241, Shreveport, Louisiana 71137-7241

CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Nonionic Surfactant Blend  
CHEMICAL FAMILY: Nonionic Surfactant  
CHEMICAL FORMULA: Mixture

PRODUCT USE: Adjuvant

SECTION 1 NOTES: None

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## SECTION 2: HAZARDOUS INGREDIENTS

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INGREDIENT	CAS NO.	% WT/% VOL	SARA 313 REPORTABLE	OSHA			ACGIH		
				TWA	STEL	Ceiling	TWA	STEL	Ceiling
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

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## SECTION 3: HAZARDS IDENTIFICATION

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ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation

### POTENTIAL HEALTH EFFECTS

EYES: Slightly irritating. May cause redness, irritation.

SKIN: Brief contact is not irritating. Prolonged contact may cause redness.

INGESTION: May cause abdominal discomfort, nausea, vomiting and diarrhea.

INHALATION: Inhalation not likely. Mist may cause irritation of the respiratory tract.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

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### CARCINOGENICITY

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

SECTION 3 NOTES: None

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## SECTION 4: FIRST AID MEASURES

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**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

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## SECTION 5: FIRE-FIGHTING MEASURES

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

FLASH POINT:

F: >200

C: >93

METHOD USED:

PMCC

AUTOIGNITION TEMPERATURE:

F: NA

C: NA

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTION: NA

EXTINGUISHING MEDIA:

Foam, Water fog, Dry chemical, ABC fire extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained positive breathing apparatus and protective clothing should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: NA

SECTION 5 NOTES:

None

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** If material is released or spilled wear eye and skin protection. Floor may be slippery; use care to avoid falling. Contain spill immediately with inert materials (e.g. sand, earth). Avoid discharge to natural waters. Transfer liquids and solid diking material to suitable containers for recovery or disposal.

SECTION 6 NOTES:

None

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE:

Use with adequate ventilation. Wash thoroughly after handling. Keep away from heat, sparks and flames.

SECTION 7 NOTES:

Keep in original container tightly closed. Do not reuse empty container. Avoid contact with eyes, skins, and clothing. Do not store with food, feed, or other material to be used or consumed by humans or animals.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**VENTILATION :** Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

**RESPIRATORY PROTECTION:** None necessary unless local exhaust is inadequate. Then use NIOSH-approved PPE

**EYE PROTECTION:** Chemical safety goggles

**SKIN PROTECTION:** Impervious gloves and clothing

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long-sleeves and pants. Safety showers and eye wash stations

**WORK HYGIENIC PRACTICES:** 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.

**EXPOSURE GUIDELINES:** None established for this product

**SECTION 8 NOTES:** None

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Clear to very hazy colorless

**ODOR:** Mild

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** NA

**pH (Other):**

**BOILING POINT:** NA

**F:** Unknown

**C:** Unknown

**MELTING POINT:**

**F:** Unknown

**C:** Unknown

**FREEZING POINT:**

**F:** Unknown

**C:** Unknown

**VAPOR PRESSURE (mmHg):** Unknown

**@**

**F:** NA

**C:** NA

**VAPOR DENSITY (AIR = 1):** Unknown

**@**

**F:** NA

**C:** NA

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):**

**@**

**F: 68** ~1.0

**C: 20**

**EVAPORATION RATE:** Unknown

**BASIS (butyl acetate=1):**

**SOLUBILITY IN WATER:** Soluble

**VISCOSITY:** Unknown

**@**

**F:** NA

**C:**

**SECTION 9 NOTES:** None

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY:      Stable       Unstable

CONDITIONS TO AVOID (STABILITY):      Open flame or extreme heat.

INCOMPATIBILITY (MATERIAL TO AVOID):      Avoid strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:      Burning can product carbon monoxide and/or carbon dioxide.

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:      Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS:      Not regulated

SECTION 13 NOTES:      None

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:      Not regulated

HAZARD CLASS:      Not regulated

ID NUMBER:      Not regulated

PACKING GROUP:      Not regulated

LABEL STATEMENT:      Not regulated

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)	Mixture	1.00-2.99	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	Below reportable concentrations	

#### 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
Mixture	Glycol ethers (fraction of product matching EPA definition)	0.20-0.69

### 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

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: None

PREPARATION INFORMATION: Prepared on 4/1/2013

### 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.

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