RRSI FORESTRY OIL

Safety Data Sheet SDS DATE: 05/17/2018 - SUPERSEDES: NONE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RRSI FORESTRY OIL DISTRIBUTOR: Red River Specialties, Inc. ADDRESS: 1324 N. Hearne Ave., Ste 120, Shreveport, LA 71107 EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 CHEMICAL NAME: Proprietary mixture CHEMICAL FAMILY: Petroleum Hydrocarbon CHEMICAL FORMULA: Mixture PRODUCT USE: Agricultural and Forestry Oil SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

			SARA 313
INGREDIENT	CAS NO.	<u>% WT</u>	REPORTABLE
Ethylene oxide	75-21-8	<1 ppm	No

OSHA <u>TWA STEL CEILING</u> 1 ppm 5ppm/15min ACGIH TWA STEL CEILING 1 ppm

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation

POTENTIAL HEALTH EFFECTS

EYES: Direct contact with material or exposure to vapors is not expected to cause irritation.

SKIN: Direct contact with material or exposure to vapors is not expected to cause irritation. Prolonged or repeated skin contact may cause drying, cracking or dermatitis.

INGESTION: May cause throat irritation, nausea, vomiting and diarrhea. Aspiration during ingestion may cause lung injury or possible death. **INHALATION:** High concentrations of vapors or mist may irritate the respiratory tract. Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation and fibrous tissue formation.

ACUTE HEALTH HAZARDS: NA

CHRONIC HEALTH HAZARDS: NA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Overexposure to any chemical may result in enhancement of pre-existing adverse medical condition and allergic reactions.

CARCINOGENICITY OSHA: No ACGIH: No NTP: No IARC: No OTHER: No SECTION 3 NOTES: None

SECTION 3 NOTES: None

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: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. 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.

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

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: NA FLAMMABILITY: NA REACTIVITY: NA PROTECTION: NA **EXTINGUISHING MEDIA:** SPECIAL FIRE FIGHTING PROCEDURES: Carbon dioxide, dry chemical powder, chemical foam or water fog. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Burning may produce carbon monoxide. Decomposition or combustion products may be toxic. Empty containers may retain residue and may be dangerous. Heated containers may rupture. HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon monoxide and asphyxiates. SECTION 5 NOTES: None

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Small Spills: Flush the area thoroughly with water and scrub to remove residue. Large Spills: Contain spill, cover with inert absorbent and transfer to waste disposal container.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Maintain good housekeeping practices and clean up spills promptly. NFPA Class IIIB storage. Never siphon by mouth.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Normal room ventilation (mechanical) should be satisfactory. RESPIRATORY PROTECTION: None required for normal use. EYE PROTECTION: Wear goggles or a face shield. SKIN PROTECTION: PVC-coated gloves. Where spills and splashes are likely, wear protective clothing. OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be available. 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: NA SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, amber			VAPOR DENSITY (AIR = 1): Unknown		
ODOR: Little odor			Q	F:	
PHYSICAL STATE: Liqu	id			C:	
PH AS SUPPLIED: NA		SPECIFIC GRAVITY (H2O = 1): ~0.95			
PH (OTHER): NA			ø	F: 68	
BOILING POINT: F: Ur	iknown C: Unl	known		C: 20	
MELTING POINT:	F: Unknown	C: Unknown	EVAPORATION RA	TE: Unknown	
FREEZING POINT:	F: Unknown	C: Unknown	BASIS (butyl aceta	te=1):	
VAPOR PRESSURE (mi	mHg): Unknown		SOLUBILITY IN W	ATER: Dispersible	
@	F:		VISCOSITY: Unkno	own	
	C:		Ø	F:	
				C:	

SECTION 9 NOTES: None

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): Avoid intense heat, sparks or flame.
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Combustion may produce carbon monoxide and asphyxiates.
HAZARDOUS POLYMERIZATION: Not known to occur under normal temperatures and pressures.
CONDITIONS TO AVOID (POLYMERIZATION): None known
SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal must be made in accordance with applicable governmental egulations. Do not flush to rain/storm sewer. RCRA HAZARD CLASS: NA

SECTION 13 NOTES: None

FORESTRY 0 NONIONIC OIL ADJUVANT

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SECTION 14: TRANSPORTATION INFORMATION

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:

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

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 C	OMPENSATION, ANI	D LIABILITY ACT):						
CHEMICAL NAME		CAS NUMBER	RANGE IN %	RQ				
Residual ethylene oxide (typi	ycol ethers (fraction of product matching EPA definition)Mixture1.5-3.5Residual ethylene oxide (typical)75-21-8<0.001							
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 reportabl	e concentrations				
311/312 HAZARD CATEGORIES: This prod	uct has been reviewe	ed according to the EPA	"Hazard Categories" pr	omulgated under				

Ider 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: This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

CAS NUMBER

CHEMICAL NAME

CONCENTRATION

Mixture Glycol ethers (fraction of product matching EPA definition) 1.5 - 3.5STATE 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).

SECTION 15 NOTES: See SARA 313 regulations for reporting of agueous ammonia

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

PREPARATION INFORMATION: Prepared on 05/17/18

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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