

SPECTRUM

Nonionic Spray Adjuvant

Coastal AgroBusiness, Inc.

PO Box 856

3702 Evans Street

Greenville NC 27835

(252)756-1126

Emergency Phone Numbers:

Chemtrec(24 hrs): 1-800-424-9300

Coastal(Weekdays): 1-800-758-3456

IDENTITY

Trade Name: Spectrum

EPA Reg. No.: Not Applicable

Synonyms: Organo Modified Silicone and

Methylated Seed Oil Adjuvant

Chemical Name: Polymethylsiloxane

Copolymer Nonionic Emulsifiers and

Methylated Seed Oils

Common Name: Adjuvant

Chemical Family: Organo-modified

Silicone, Methylated Seed Oils

Molecular Formulas: Refer to technical data sheet

Molecular Weight: Not Determined

INGREDIENT

Component	CAS NO.	WT%	PEL/TLV
Proprietary	Proprietary	100	NOL/NOL

Blend of Polyether

Polymethylsiloxane-

Copolymer, Nonionic

Emulsifiers, and

Methylated Seed Oils

*All ingredients in this product are listed in the T.S.C.A. Inventory. This product contains no listed hazardous ingredients.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Clear, red, slightly viscous liquid w/ a mild polyether odor.

Boiling Point: Not Determined

Melting Point: Not Determined

Vapor Pressure: Not Determined

Vapor Density (Air=1): >1

% Volatility (V/V): Not Determined

Octanol/H₂O Partition Coef.: Not Determined

pH: ≈7 (4% aqueous solution)

Saturation in air (V/V): Not Determined

Specific Gravity (H₂O=1): 0.900

Solubility in Water: Emulsifiable

Viscosity: ≈50 cps @ 25°C

FIRE AND EXPLOSION DATA

Flash Point: >200°F (100°C);

Flammability Class: IIIB

Flammable Limits in Air (V/V):

LEL: Not Determined

UEL: Not Determined

Auto-Ignition Temperature: Not Applicable

Fire Extinguishing Media: Foam, CO₂, Dry Chemical, ABC Fire Extinguisher

Fire Control Tactics: Self-contained positive pressure breathing apparatus and protective clothing should be worn in

fighting fires involving chemicals. Clear area of unprotected personnel. Cool fire exposed containers with water. Attack from upwind.

Unusual Fire and Explosion Hazards: None Known

NFPA HAZARD RATING

Health Hazard: 2-Moderately Hazardous

Fire Hazard: 1-Slightly Combustible

Reactivity: 0-Stable

Specific Hazard: None

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None with proper handling and storage.

Incompatibility (Materials to Avoid):

Keep away from strong oxidizers.

Reactivity: Non-reactive.

Hazardous Decomposition Products:

Fire may produce carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

HEALTH HAZARD INFORMATION

Threshold Limit Value: NOL

Permissible Exposure Limit: NOL

Warning Statements: CAUTION:

Avoid contact with eyes and skin.

Harmful if swallowed. Do not take

internally. Keep out of reach of children.

Signs and Symptoms of Exposure:

Irritation of skin and eye. Contact with

eyes is painful and irritating.

Overexposure: Prolonged skin contact

may cause moderate irritation. May cause

severe eye injury.

Medical Conditions Generally

Aggravated by Exposure: Preexisting

eye and skin disorders may be aggravated

by exposure to this product. Unnecessary

exposure to this product or any chemical

should be avoided.

Primary Route of Exposure: Dermal

Acute Toxicity Data:

1. Oral Toxicity:

LD₅₀>500 mg/kg<5000 mg/kg

2. Dermal Toxicity:

LD₅₀ 1500 mg/kg

3. Inhalation Toxicity: No harmful

effects have been reported. May irritate

nasal passages and other mucous

membranes.

4. Eye Irritation: Severe

5. Skin Irritation/Sensitization:

Moderate (Prolonged Exposure)

Chronic Toxicity Data: This product is

not carcinogenic, teratogenic or mutagenic

as determined by OSHA, NTP, or IARC.

Emergency and First Aid Procedures:

1. If swallowed: DO NOT induce

vomiting. If conscious, have victim drink

large amounts of water. Never give

anything by mouth to an unconscious

person. Contact a physician and be

prepared to give information contained on this MSDS and/or the product label.

2. If Inhaled: Remove person from area of exposure. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact a physician.

3. If in Eyes: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention.

4. If on Skin: Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required with adequate ventilation.

Eye Protection: Avoid contact with eyes. Wear full face shield or chemical splash goggles when handling.

Skin Protection: Avoid contact with skin. USDA accepted nitrile or neoprene rubber gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged contact.

Ventilation: Mechanical (general).

Other: Safety shower and eyewash station should be available. Wear protective clothing to prevent repeated or prolonged contact.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling and Storage: Keep container closed when not in use. Use with adequate ventilation. Spilled material is slippery. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling. Wash hands before breaks and at the end of work. Avoid overheating and freezing. Shake well before use.

Steps To Be Taken In Case Material Is Released Or Spilled.

Small Spills: Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.

Large Spills: Dike the spill to minimize contaminated area and facilitate salvage and/or disposal. Recover material for use, reprocessing or disposal.

Waste Disposal Methods: Dispose of in accordance with Federal, State and Local regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended. Material collected with absorbent may be disposed of in a permitted landfill in accordance with Federal, State and Local regulations. Triple rinse container and dispose of in accordance with all Local, State and Federal regulations or offer for recycling.

**SHIPPING DATA
(PACKAGE AND BULK)****D.O.T. Proper Shipping Name:** Not Regulated**D.O.T. Hazard Classification:****Primary:** Not Applicable**Secondary:** Not Applicable**D.O.T. Labels Required:** None**D.O.T. Placards Required:** None**Poison Constituent:** Not Applicable**Hazardous Substance:** None**Reportable Quantity (RQ):****Product:** Not Applicable**Ingredient:** Not Applicable**Bill of Landing Description:** Adhesive, Adjuvants, Spreaders or Stickers, NOS**Transportation Emergency #:**

CHEMTREC: (800)424-9300

**ADDITIONAL REGULATORY
INFORMATION****Sara Title III Data:****Section 311 and 312 Hazard Categories:****Immediate Health Hazard:** Y**Delayed Health Hazard:** N**Fire Hazard:** N**Reactive Hazard:** N**Sudden Pressure Release Hazard** N**Section 302:**

EHS: None; TPQ: 10,000 lbs.

Section 313: Glycol Ethers 1% (CAS Not Applicable)**CERCLA Reportable Quantity:** Not Applicable**National Response Center:**

(800)424-8802

CHEMTREC: (800)424-9300

The information and statements herein are believed to be reliable and are given in good faith but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

MSDS NO.: 11707**DATE PREPARED:** 09/15/95**DATE REVISED:** 03/7/03**APPROVED:** *JM Pearce*