

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Soil Wetting Agent  
 Recommended uses: Non-ionic surfactant. .  
 Restrictions on uses: None known.  
 Manufacturer: Southern Agricultural Insecticides, Inc.  
 P.O. box 218  
 Palmetto, FL 34220  
 Company Telephone/Fax (941-722-3285/(941)-723-2974  
 Emergency Telephone Number (800) 424 9300 (CHEMTREC)

**2. HAZARDS IDENTIFICATION**

**Physical hazards** Not classified.  
**Health hazards** Acute toxicity, oral Category 4  
 Skin corrosion/irritation Category 2  
 Serious eye damage/eye irritation Category 1  
**Environmental hazards** Hazardous to the aquatic environment, Category 2  
 long-term hazard  
**OSHA defined hazards** Combustible dust Not applicable  
 Pyrophoric gas Not applicable  
 Simple asphyxiant Not applicable

**Label elements**



**Signal word** Danger  
**Hazard statement** Harmful if swallowed. Causes skin irritation. Causes serious eye damage.  
 Toxic to aquatic life with long lasting effects.  
**Precautionary statement**  
**Prevention** Wash thoroughly after handling. Do not eat, drink or smoke when using  
 this product. Avoid release to the environment. Wear protective gloves.  
 Wear eye/face protection.  
**Response** If in eyes: Rinse cautiously with water for several minutes. Remove con  
 tact lenses, if present and easy to do. Continue rinsing. Rinse mouth. If  
 skin irritation occurs: Get medical advice/attention. Take off contaminated  
 clothing and wash before reuse. Collect spillage.  
**Storage** Store away from incompatible materials. Store in a well-ventilated place.  
 Keep container tightly closed. Store locked up. Store in accordance  
 with local/regional/national/international regulations.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/  
 international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Caster Oil, Ethoxylated		61791-12-6	50
Nonylphenol, ethoxylated		127087-87-0	50
Glycol Ethers as Defined by EPA (65 FR 47342, Aug 2, 2000)		Mixture	1-3

#### Residuals

Ethylene Oxide		75-21-8	0.001
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### SECTION 4. FIRST AID MEASURES

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### SECTION 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Powder. Alcohol resistant foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.

<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

<b>Residuals</b>	<b>Type</b>	<b>Value</b>
Ethylene Oxide	STEL	5 ppm
(CAS 75-21-8)	TWA	1 ppm

## US. ACGIH Threshold Limit Values

Residuals	Type	Value
Ethylene Oxide (CAS 75-21-8)	TWA	1 ppm

## US. NIOSH: Pocket Guide to Chemical Hazards

Residuals	Type	Value
Ethylene Oxide (CAS 75-21-8)	Ceiling	9 mg/m <sup>3</sup>
	TWA	5 ppm 0.18 mg/m <sup>3</sup> 0.1 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles) and a face shield.

#### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Honey-colored.
<b>Odor</b>	Mild soap like odor
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Above 212 °F
<b>Flash point</b>	Above 212 °F
<b>Evaporation rate</b>	Not available.

<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient ( n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>pH in aqueous solution</b>	Not available.
<b>Specific gravity</b>	1.02

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Oxidizing agents. Aluminum. Inorganic acids and bases.
<b>Hazardous decomposition products</b>	Carbon oxides. Organic compounds which may be toxic.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

### Information on toxicological effects

<b>Acute toxicity</b>	Harmful if swallowed.
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## Toxicological data

### Residuals

Ethylene Oxide (CAS 75-21-8)

#### Acute

#### Inhalation

LC50

### Species

### Test Results

Dog	973 ppm, 4 Hours 1.8 mg/l, 4 Hours
Guinea pig	1.5 mg/l, 4 Hours
Mouse	1.505 mg/l, 4 Hours
Rat	1.44 mg/l, 4 Hours 0.9 mg/l, 1 Hours
Guinea pig	270 mg/kg
Mouse	280 mg/kg
Rat	72 mg/kg

\* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitization

#### Respiratory sensitization

Not a respiratory sensitizer.

#### Skin sensitization

This product is not expected to cause skin sensitization.

### Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1 are mutagenic or genotoxic.

### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylene Oxide (CAS 75-21-8) 1 Carcinogenic to humans.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Ethylene Oxide (CAS 75-21-8) Cancer

### US. National Toxicology Program (NTP) Report on Carcinogens

Ethylene Oxide (CAS 75-21-8) Known To Be Human Carcinogen.

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

### Specific target organ toxicity - single exposure

Not classified.

### Specific target organ toxicity - repeated exposure

Not classified.

### Aspiration hazard

Not an aspiration hazard.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Residuals

### Species

### Test Results

Ethylene Oxide (CAS 75-21-8)

#### Aquatic

Fish LC50

Fathead minnow (Pimephales promelas) 73 - 96 mg/l, 96 hours

• Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data is available

**Mobility in soil** No data is available

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Local disposal regulations

Dispose in accordance with all applicable regulations.

### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. TRANSPORT INFORMATION

**DOT** Not regulated as dangerous goods. Classification - cleaning compound NOI

### IMDG

**UN Number** UN3082

**Proper shipping name:** Environmentally hazardous substances, liquid, n.o.s. (Nonylphenol, Ethoxylated)

**Class** 9

**Pack Group** III

**Marine Pollutant** Yes

## 15. Regulatory information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### US - TSCA Chemical Action Plans: Listed substance

Nonylphenol, ethoxylated (CAS 127087-87-0)

Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Ethylene Oxide (CAS 75-21-8) Listed.

**SARA 304 Emergency release notification**

Ethylene Oxide (CAS 75-21-8) 10 LBS

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Ethylene Oxide (CAS 75-21-8)  
Cancer  
Reproductive toxicity  
Mutagenicity  
Central nervous system  
Skin sensitization  
Skin irritation  
Eye irritation  
respiratory tract irritation  
Acute toxicity  
Flammability

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard categories Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity
Ethylene Oxide	75-21-8	10	1000lbs

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Glycol Ethers as Defined by EPA (65 FR 47342, Aug 2, 2000)	Mixture	1-3
Ethylene Oxide	75-21-8	0.001

**Other federal regulations**

**Clean Air Act (CM) Section 112 Hazardous Air Pollutants (HAPs) List**

Ethylene Oxide (CAS 75-21-8)

**Clean Air Act (CM) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Ethylene Oxide (CAS 75-21-8)

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

**US - California Candidate Chemicals: Listed on initial list**

Ethylene Oxide (CAS 75-21-8)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Ethylene Oxide (CAS 75-21-8)



**US. New Jersey Worker and Community Right-to-Know Act**

Ethylene Oxide (CAS 75-21-8)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ethylene Oxide (CAS 75-21-8)

**US. Rhode Island RTK**

Ethylene Oxide (CAS 75-21-8)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethylene Oxide (CAS 75-21-8) Listed: July 1, 1987

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Ethylene Oxide (CAS 75-21-8) Listed: August 7, 2009

**US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Ethylene Oxide (CAS 75-21-8) Listed: February 27, 1987

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Ethylene Oxide (CAS 75-21-8) Listed: August 7, 2009

**SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue date** 3/2016

**Disclaimer**

Southern Agricultural Insecticides, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Southern Agricultural Insecticides, Inc., provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Southern Agricultural Insecticides, Inc. knows of no medical condition, other than those noted on this Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.