

1. Material Identification

GHS product identifier: 80% non-ionic surfactant

Product Name: Surfactant for Herbicides

Company: Southern Agricultural Insecticides, Inc.
P.O. Box 218
Palmetto, FL 34220

Recommended use: Surfactant, wetting agent, spreader

Recommended restrictions: None available

Synonyms: Non-ionic surfactant

Emergency Telephone Number: ChemTrec Tel: 1-800-424-9300

2. Hazard Identification

GHS classification:

Health hazards:	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Acute toxicity	Category 4

GHS label elements:

Signal word: Warning



Hazard statement:

- Causes eye irritation
- Causes mild skin irritation
- Harmful if swallowed
- Combustible liquid

Precautionary statement:

Prevention: Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Wear eye protection, face protection, protective clothing, protective gloves
Keep away from heat/sparks/open flames/hot surfaces.
No smoking.

Response: If skin irritation occurs get medical advice/attention. **IF IN EYES:** rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention. **IF ON SKIN OR CLOTHING:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. **IF SWALLOWED:** Call poison center or doctor/physician if you feel unwell. **IN CASE OF FIRE:** Use water spray, foam, or carbon dioxide to extinguish.

Storage: Store in well ventilated place.
Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations

Specific hazards: None available

3. Composition Information

Components	CAS No.	Percent
Active Ingredients:		
Alcohols, C10-16 ethoxylated;	68002-97-1	80.00
Polyethylene glycol nonylphenyl ether	9016-45-9	
Inert Ingredients:	Proprietary	20.00

4. First-Aid measures

Eye Contact: Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Call poison control center or doctor for treatment advice.

Skin Contact: Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

Inhalation: Move person to fresh air; If not breathing call 911 and give artificial respiration. Call poison control center or doctor for treatment advice.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

5. Fire Fighting Measures

Suitable extinguishing media: Water Spray, Foam solution, CO₂

Specific hazards arising from the chemical: Can be dangerous when exposed to extreme heat and flame. Do not breathe mist/vapors/spray.

Protective equipment and precautions for firefighters: Assure self-contained breathing apparatus is worn. Fight fire from upwind. Prevent runoff if possible.

(NFPA): **Health:** **Flammability:** **Reactivity:**
 2 1 0

(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)

6. Accidental Release Measures

Personal Precautions: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment: Stop the flow of material, if this is without risk. Collect and dispose of spillage as indicated in section 13. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Pick up spills with absorbent material and place in suitable properly labeled containers.

7. Handling and Storage

Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Handle in accordance with good industrial hygiene and safety procedures

Storage: Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

8. Exposure Controls/Personal Protection

Occupational exposure limits:

Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations

Personal protective equipment:

Eye/Face Protection: Use chemical goggles

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, Nitrile/butadiene rubber ("nitrile" or "NBR") or Polyvinyl chloride ("PVC" or "vinyl").

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

9. Physical and Chemical Properties

Physical state:	Liquid
Color:	Golden to amber
Form:	Liquid
Odor:	Slight alcohol
Odor threshold:	Not available
pH:	4.0 - 7.0
Melting/freezing point:	<32°F
Boiling point:	212°F
Flash point:	>140 - <200°F
Sustain Combustion:	Non-sustaining per ASTM 4206
Evaporation rate:	Not available
Flammability:	Not available
Flammability limits in air, lower:	Not available
Flammability limits in air, upper:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	1.02 - 1.08 g/mL
Solubility:	complete in water
Octanol/water coefficient:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	200-300cP

10. Stability and Reactivity

Chemical stability/instability:	Stable at typical use temperatures
Conditions to avoid:	Avoid extreme temperatures and open flames
Incompatible materials:	Avoid contact with: Strong oxidizers
Possibility of hazardous reactions:	Will not occur
Hazardous decomposition products:	Carbon monoxide and asphyxiants

11. Toxicological Information

Toxicology data:

Components:

Alcohol ethoxylate (68002-97-1) and
Alkylphenol ethoxylate (9016-45-9)

Routes of exposure:

Acute effects:

Sensitization:

Chronic effects:

CarCinogenicity:

Mutagenicity:

Reproductive effects:

Tetragenicity:

Epidemiology:

Skin corrosion/irritation:

Serious eye damage/eye irritation:

Specific target organ toxicity- single exposure:

Specific target organ toxicity- repeated exposure:

Other information:

Test results:

Acute oral L050(rat): >1300mg/kg

Acute dermal L050(rabbit): 2g/kg

Skin contact. Eye contact. Ingestion.

Skin irritation. Eye irritation. Harmful if swallowed.

No data available

No data available

No data available

Non-mutagenic for bacteria and/or yeast

No data available

No data available

No data available

Causes skin irritation

Causes eye irritation

Not classified

Not classified

Not available

12. Ecological Information

Ecotoxicological data:

Components:

Alcohol ethoxylate and
Alkylphenol ethoxylate

Persistence and degradability:

Bioaccumulation:

Mobility in soil:

Other adverse effects:

Test results:

LC50 Algae >1 mg/l (Exposure time: 72 h)

EC50 Daphnia >1 mg/l (Exposure time: 48 h)

LC50 Fish >1 mg/l (Exposure time: 96 h)

Not established

Not established

Not available

Avoid release to open bodies of water

13. Disposal Considerations

Disposal methods:

Dispose of in accordance with label instructions and all applicable regulations.

Contaminated packaging:

Dispose of in accordance with applicable federal, state and local regulations.

14. Transport Information

In accordance with ICAO/IATA/IDOT/TDG:

DOT: Not regulated per 49 C.F.R. 173.150 & 173.120 (b)(3)

UN number:

Not regulated

UN proper shipping name:

Not regulated

Transport hazard classes:

Not regulated

Packing group:

Not regulated

Environmental hazards:

Not regulated

Transport in bulk:

Not regulated

Freight description:

Agricultural spray adjuvant, liquid, n.o.s

ERG Guide No.: 171

15. Regulatory Information

International inventories

TSCA:

Complies

EINECS/ELINCS:

Complies

ENCS:

Complies

IECSC:

Complies

KECL:

Complies

PICCS: Complies
AICS: Complies

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312:

Immediate (Acute) Health Hazard: Yes
Delayed (Chronic) Health Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313:

This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

<u>Component</u>	<u>CAS #</u>	<u>Weight (%)</u>	<u>SARA 313- Threshold values (%)</u>
No components			

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Agricultural Insecticides, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Agricultural Insecticides, Inc. has been advised of the possibility of such damages.

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