

1. Material Identification

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

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

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.

Storage: Store in closed container
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations
Specific hazards: None available

3. Composition Information

Components	CAS No.	Percent
Alcohol ethoxylate/	68002-97-1	80.00
Alkylphenol ethoxylate	9016-45-9	
Inerts	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.

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 guide lines. 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:	175-180°F
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)

Test results:

Acute oral L050(rat): >1300mg/kg
Acute dermal L050(rabbit): 2g/kg

Routes of exposure:

Skin contact. Eye contact. Ingestion.

Acute effects:

Mild skin irritation. Eye irritation. Harmful if swallowed.

Sensitization:

No data available

Chronic effects:

No data available

CarCinogenicity:

No data available

Mutagenicity:

Non-mutagenic for bacteria and/or yeast

Reproductive effects:

No data available

Tetragenicity:

No data available

Epidemiology:

No data available

Skin corrosion/irritation:

Causes mild skin irritation

Serious eye damage/eye irritation:

Causes eye irritation

Specific target organ toxicity

single exposure:

Not classified

Specific target organ toxicity

repeated exposure: Not classified
Other information: Not available

12. Ecological Information

Ecotoxicological data:

Components:

Alcohol ethoxylate and
Akyphenol ethoxylate

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)

Persistence and degradability: Not established
Bioaccumulation: Not established
Mobility in soil: Not available
Other adverse effects: 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:

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
Special precautions: Not available

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

This SDS complies with 29 CFR part 1910 subpart Z (2012) and ANSI Standard Z400.1-2004

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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