

Material Safety Data Sheet

Effective Date: 17-JUN-2011
Product: RE-DUCE

I. IDENTIFICATION

Chemical Name: Ammonium Sulfate and Nonionic Surfactants
Chemical Family: Liquid Fertilizer/Surfactant Blend
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.21-1.23 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 100%
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Clear, water-like to clear, dark amber liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary Blend of Ammonium Sulfate, Nonionic Surfactants and Hydroxycarboxylic Acids.		45.00	N/E	Moderate eye irritant.
Blend of formulation aids and inert ingredients.		55.00	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: May emit toxic fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: None currently known.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Gastrointestinal upset may occur if ingested.
Symptoms include stomach pain and diarrhea.
Skin Absorption: No hazard anticipated.
Inhalation: May be mildly irritating to the nose and
throat if spray mists or vapors are inhaled.
Skin contact: Mild irritation may occur after skin contact.
Symptoms include redness, itching and pain.
Eye Contact: Eye contact causes irritation, redness and
pain.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Immediately call a poison control center or
doctor. Do not give induce vomiting unless
told to do so by a physician or poison control
center. Do not give any liquids to drink. Do
not give anything by mouth to an unconscious
person.
Skin: Remove contaminated clothing. Wash affected
area with soap and water. If irritation
develops or persists, seek medical attention.
Inhalation: Move to fresh air. If irritation persists,
seek medical attention.
Eyes: Immediately flush eyes with water, continuing
for at least 15 minutes while holding the
eyelids apart. Remove contact lenses, if
present, after first 5 minutes then continue
rinsing the eyes. Seek medical attention.
Notes to Physician: In the event of an adverse response, treatment
should be directed toward control of the
symptoms and the clinical condition of the
patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.

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Incompatibility material: Avoid contact with strong acids and oxidizing agents.
Hazardous Combustion: May produce ammonia gas, oxides of carbon, oxides of sulfur under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spill. If uncontaminated, collect and reuse as intended. If contaminated, cover with an inert absorbent, collect and place in suitable containers for proper disposal.
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None required under normal use conditions. May emit ammonia under fire conditions so use appropriate respiratory protection.
Ventilation: Local exhaust sufficient.
Gloves: Impervious gloves.
Eyes: Splashproof goggles.
Other: Eyewash station, emergency shower, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or drains with this product.
Other precaution: None currently known.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Adhesives, Adjuvants, Spreaders or Stickers, Liquid, N.O.I. (NMFC Item 4610, Class 60)

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Chemical Name	Equivalent R.Q.
Not applicable	Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: N	Fire: N
Reactive: N	

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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