

Material Safety Data Sheet

Effective Date: 11-MAR-2004
Product: NXS

I. IDENTIFICATION

Chemical Name: Surfactants, MSO, Nitrogen Fertilizer.
Chemical Family: Oil Surfactants
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: 225 Degrees F.
Freezing Point: <32 Degrees F.
Spec Gravity: 1.180 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Soluble
Volatiles: 23%
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Clear, amber liquid with fatty/ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Alkanolamides, Alkanoate Esters, Trisoloxanes and Carbamides.		80.00	N/E	Skin & eye irritant
Inert ingredients		20.00		Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Degrees F. (PMCC)
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.
Fire and Expl Hazard: Under fire conditions, this product may behave like an oxidizer. In contact with oxidizable

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substances, ignition, violent combustion or explosion could occur.

V. HEALTH HAZARD

Carcinogen Information: Not listed.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Slight throat irritation and respiratory discomfort may occur.
Skin Absorption: None currently known.
Inhalation: Mist may irritate the respiratory tract.
Skin contact: Prolonged or repeated contact may irritate the skin slightly.
Eye Contact: Direct contact with the liquid will cause severe eye irritation.
Chronic Effects: Moderate irritation may occur with prolonged or repeated contact.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Do not induce vomiting. Dilute by drinking a large volume of water. Immediately call a poison control center or physician.
Skin: Wash skin thoroughly with soap and water. If irritation develops, consult a physician. Launder clothing before reuse.
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.
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: Evaporation or other heating in closed pipes or other containers.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.

Material Safety Data Sheet

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Product: NXS

Incompatibility material: Avoid strong oxidizers such as chlorine and hypochlorites. Avoid easily oxidizable materials including most organics.

Hazardous Combustion: May produce ammonia and oxides of nitrogen under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product. If uncontaminated, collect and reuse as intended. If contaminated, absorb material with an absorbent such as clay, sand or sawdust. Place in suitable plastic containers for proper disposal. Do not contaminate water supplies.

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: Not required under normal use conditions. Under misty conditions, use NIOSH-approved mist respirator.

Ventilation: Local exhaust normally sufficient.

Gloves: Impervious

Eyes: Splash proof goggles

Other: Eyewash station, 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 or ponds. Store in a secure, dry, well-ventilated area, segregated from oxidizers and other incompatible materials.

Other precaution: This product does not contain any chemicals subject to the reporting requirements of Section 313 of Title III of SARA.

X. SHIPPING INFORMATION

Shipping name: Not regulated by D.O.T.

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

05-APR-2004 14:56:59
Page 4 Of 4

Material Safety Data Sheet

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Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Adhesive, Adjuvant, Spreader or Sticker,
Liquid, N.O.I. (NMFC Item 4610, Class 60)
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: 0 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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