

Safety Data Sheet

Ten-Tac

SDS Number: 11050
SDS Prepared: 04/14/2000
SDS Version: 3.3
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ten-Tac
CHEMICAL NAME: n-Decanol
CHEMICAL FAMILY: Linear Fatty Alcohols
SYNONYMS: C₁₀ Fatty Alcohol, Decyl Alcohol, Decanol
COMMON NAME: Decanol
EPA REGISTRATION NUMBER: 5549-79

Manufactured by:
Coastal AgroBusiness, Inc.
PO Box 856
Greenville, NC 27835
Phone: 1-800-635-1388

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

Eye Irritant 2A H319
Aquatic Toxicity - Chronic 3 H412

LABEL ELEMENTS

GHS-US Labeling

Hazard Pictogram (GHS-US)



GHS07

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fumes/gas/mists/vapors/spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P281 - Use personal protective equipment as required.

P273 - Avoid release to the environment.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330 - Rinse mouth.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	PEL/TLV
n-Decanol (Fatty Alcohol C ₁₀)	79%	Mixture	NOL/NOL
Emulsifier Blend	21%	07664-38-2	NOL/NOL

Formulated from a fatty alcohol mixture that typically contains: C₆-1.0%, C₈-41%, C₁₀-57%, C₁₂-0.8% Linear Fatty Alcohols.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.

SKIN: Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.

INGESTION: Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

INHALATION: Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if a qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 235.4°F (113°C)

FLAMMABLE LIMITS (LFL & UFL): Lower approximately 0.7, Upper approximately 4.8.

EXTINGUISHING MEDIA: Water spray, CO₂, dry chemical, foam.

HAZARDOUS COMBUSTION PRODUCTS: None known

SPECIAL FIRE FIGHTING PROCEDURES: Cool exposed equipment with water spray. Self-contained positive-pressure breathing apparatus should be worn when there is a possibility of exposure to smoke, fumes, or hazardous decomposition products. If the spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from the fire and to dilute spills to nonflammable mixtures.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fatty alcohols are an NFPA Class IIIB combustible liquid.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Eliminate all sources of ignition. Evacuate the area. Contain the spill with dikes or absorbents to prevent migration and entry into sewers, streams, or drinking water supplies. Take up with dry chemical absorbents and place them into a suitable container for disposal.

LARGE SPILLS: Eliminate all sources of ignition. Evacuate the area. Contain spills to prevent migration and entry into sewers, streams, or drinking water supplies. Spills may be taken up with a pump or vacuum and finished with dry chemical absorbents. May require excavation of contaminated soil.

7. HANDLING AND STORAGE

- HANDLING:** Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors or contact with skin.
- STORAGE:** Store away from sources of ignition and in a cool, dry place. Tanks: Carbon steel with effective moisture control, baked phenolic, epoxy, polyester, or metallic zinc in an inorganic binder. Special Precautions: An Inert gas blanket and breathing system are needed to maintain color stability. Use dry inert gas having at least -40°F dew point.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- PERMISSIBLE EXPOSURE LIMIT:** None
- SIGNS AND SYMPTOMS OF EXPOSURE:** In high concentrations, vapors may cause irritation of the nose and throat, dizziness, and headache. Should not be hazardous at ambient temperatures. Causes eye irritation. Repeated or prolonged contact can cause reddening and scaling of the skin. May cause corneal inflammation. A chronic overexposure may cause depression of the central nervous system.
- MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
- PRIMARY ROUTES OF ENTRY:** Dermal and Inhalation
- ENGINEERING CONTROLS:** Use adequate exhaust ventilation to prevent inhalation of product vapors.
- RESPIRATORY PROTECTION:** NIOSH-approved organic air-purifying respirator, self-contained breathing apparatus, or air-supplied respirator dependent on concentration.
- EYE PROTECTION:** When contact with liquid is possible, use a face shield or splash goggles; otherwise, use safety glasses.
- SKIN PROTECTION:** Use full protective clothing, boots, and gloves when in contact with liquid.

9. PHYSICAL AND CHEMICAL PROPERTIES

- COLOR AND PHYSICAL STATE:** Clear, colorless to golden liquid
- ODOR:** Sweet pungent odor
- SPECIFIC GRAVITY (Water=1):** 0.87
- VAPOR PRESSURE:** ~ 21 mm Hg
- VAPOR DENSITY (Air = 1):** 4.5 (Fatty Alcohol Mixture)
- % VOLATILITY (V/V):** 79%
- BOILING POINT:** 448-453°F (231-234°C) (Fatty Alcohol Mixture)
- MELTING POINT:** 44°F (7.5°C)
- SOLUBILITY:** Emulsifies
- pH:** 7.3 (5% aqueous solution)
- VISCOSITY @ 68°F (20°C):** ~0.8 cp

Note: These physical data are typical values based on material tested, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

- STABILITY:** Stable
- CONDITIONS TO AVOID:** High temperatures.
- INCOMPATIBILITY:** Strong oxidizing agents, inorganic acids, and halogens.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition of organic material may produce carbon oxides.
- HAZARDOUS POLYMERIZATION:** Will not occur.

11. TOXICOLOGICAL INFORMATION

- ACUTE ORAL LD₅₀:** Not classified
- ACUTE DERMAL LD₅₀:** Not classified

INHALATION LC₅₀: No effects at 1 hour exposure to 71 mg/L.
EYE IRRITATION: Causes serious eye irritation.
CARCINOGENIC POTENTIAL: This product is not carcinogenic, teratogenic, or mutagenic.
SKIN IRRITATION/SENSITIZATION: Mild irritation

12. ECOLOGICAL INFORMATION

TOXICOLOGY

Ecology - General Harmful to aquatic life with long-lasting effects.

PERSISTENCE AND DEGRADABILITY

Persistence and Degradability No data available

BIOACCUMULATIVE POTENTIAL

Bioaccumulative Potential No data available

MOBILITY IN SOIL No data available

OTHER ADVERSE EFFECTS

Other Information No data available

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Do not contaminate water, food, or feed by storage or disposal. Waste resulting from spills of this material is not subject to CERCLA/RCRA regulations. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practices and in compliance with applicable local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

<u>NFPA</u>		<u>HMIS</u>	
1 Health	0 Reactivity	1 Health	0 Reactivity
1 Flammability		1 Flammability	C PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate: Y Fire: N Sudden Release of Pressure: N
Delayed: N Reactive: N
Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Contains no chemical subject to SARA 313

SARA, Title III, Section 302: EHS: None
TPQ: 10,000 lbs.

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

16. OTHER INFORMATION

SDS STATUS: Updated
REASON FOR CHANGE: Updated Technical Information
PREPARED BY: Emma Simpson, Product Development Specialist - Chemist

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