

Safety Data Sheet

Ten-Tac

SDS Number: 11050
 SDS Prepared: 04/14/2000
 SDS Version: 3.1
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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
 Chemtec (24 hours)
 1800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION- Do not inhale mists. Avoid contact with eyes, skin and clothing. May cause irritation. Use with adequate ventilation. Wash thoroughly after handling.

This product is a clear, colorless to golden liquid with a sweet, pungent odor. Primary routes of entry are inhalation, eye contact and skin contact

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
n-Decanol (Fatty Alcohol C ₁₀)	79.0	112-30-1	NE/NE
Emulsifier Blend	21.0	9005-65-6	NE/NE

*Formulated from a fatty alcohol mixture that typically contains: C₆-1.0%, C₈-41.0%, C₁₀-57.0%, 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. If instructed to have the victim drink fluids, do not give sodium bicarbonate, fruit juices or vinegar. 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 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, CO ₂ , 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 spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from 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

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

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 into suitable container for disposal.

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

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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. Avoid prolonged or repeated 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 or polyester, or metallic zinc in an inorganic binder. Special precautions: Inert gas blanket and breathing system needed to maintain color stability. Use dry inert gas having at least -40°F dew point.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE:	No ACGIH TVL
PERMISSIBLE EXPOSURE LIMIT:	No OSHA PEL
SIGNS AND SYMPTOMS OF EXPOSURE:	In high concentrations, vapor may cause irritation of the nose and throat, dizziness, and headache. Should not be a hazard at ambient temperatures. 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. Dermatitis
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	
PRIMARY ROUTES OF ENTRY:	May be harmful if vapor/mist is inhaled at high concentration. No specific data available for ingestion. Moderate eye irritant. Mild skin irritant.
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 respirators dependent on concentration.
EYE PROTECTION:	When contact with liquid is possible, use a face shield or splash goggles,

SKIN PROTECTION: otherwise use safety glasses.
Use full protective clothing, boots and gloves when in contact with liquid.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR: Clear, colorless to golden liquid, sweet pungent odor.
SPECIFIC GRAVITY: (Water=1): 0.871
VAPOR PRESSURE: .002 mm Hg @ 70 °F (Fatty Alcohol Mixture)
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 @ 20°C: 24.3 mm (cStokes)

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 oxidizers, inorganic acids and halogens
HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition of organic materials may produce oxides of carbon
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀: >4.6 g/kg
EYE IRRITATION: 46 Irritation Index
INHALATION LC₅₀: No effects at one-hour exposure to 71 mg/L.
CARCINOGENETIC POTENTIAL: This product is not mutagenic, teratogenic, or carcinogenic.
ACUTE DERMAL LD₅₀: 2.0-4.0 g/kg
SKIN IRRITATION/SENSITIZATION: 4.8 Irritation Index

12. ECOLOGICAL 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 practice 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:

NFPA

1 Health
1 Flammability
0 Reactivity

HMIS

1 Health
1 Flammability
0 Reactivity
C PPE

SARA Hazard Notification/Reporting SARA Title III Hazard Category:

Immediate: Y Fire: N
Delayed: N Reactive: N
Sudden Release of Pressure: N
None

Reportable Quantity (RQ) under U.S. CERCLA:

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:

To correct EPA Registration number

PREPARED BY:

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