

Safety Data Sheet

Kleen-Tac '85'

SDS Number: 11040
SDS Prepared: 02/15/1986
SDS Version: 4.2
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Kleen-Tac '85'

CHEMICAL NAME: n-Octanol; n-Decanol

CHEMICAL FAMILY: Linear Fatty Alcohols

SYNONYMS: C₈ Fatty Alcohol, C₁₀ Fatty Alcohol (Octyl Alcohol, Decyl Alcohol)

COMMON NAME: Octanol, Decanol

EPA REGISTRATION NUMBER: 5549-74

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

Acute Toxicity - Dermal 5	H313
Skin Irritant 2	H315
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)

H313 - May be harmful in contact with skin.
H315 - Causes skin irritation.
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.
P203 - Obtain, read, and follow all safety instructions before use.
P260 - Do not breathe dust/fumes/gas/mist/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.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P302+P350 - IF ON SKIN: Gently wash with plenty of soap and water.
 P304+P340 - IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.
 P312 - Call a POISON CENTER or doctor if you feel unwell.
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P370+P378 - In case of fire: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide to extinguish.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 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-Octanol (Fatty Alcohol C ₈)	35.5%	111-87-5	NE/NE
n-Decanol (Fatty Alcohol C ₁₀)	49.5%	112-30-1	NE/NE
Emulsifier Blend	15.0%	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. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. Have person sip a glass of water if able to swallow.

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): 230.18°F (110.1°C)

FLAMMABLE LIMITS (LFL & UFL): Not established

EXTINGUISHING MEDIA: Water spray, CO₂, dry chemical, alcohol-resistant 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 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 into a suitable container for disposal.
- LARGE SPILLS:** Eliminate all sources of ignition. Evacuate the area. Contain the 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 and contact with skin.
- STORAGE:** Store away from sources of ignition and in a cool, dry place. Tanks: Carbon steel with 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

- 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. It 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.
- MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Dermatitis
- PRIMARY ROUTES OF ENTRY:** Dermal and inhalation
- ENGINEERING CONTROLS:** Use adequate exhaust ventilation to prevent inhalation of product vapors.
- RESPIRATORY PROTECTION:** Use a NIOSH-approved organic air-purifying respirator, self-contained breathing apparatus, or air-supplied respirator depending 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):** 0.86
- VAPOR PRESSURE:** 1 mm Hg @ 70°F (Fatty Alcohol Mixture)
- VAPOR DENSITY (Air = 1):** 4.5 (Fatty Alcohol Mixture)
- DENSITY:** Not Determined
- % VOLATILITY (V/V):** 85%
- BOILING POINT:** 401-459°F (205-237°C) (Fatty Alcohol Mixture)
- MELTING POINT:** 5.9°F (-14.5°C)
- SOLUBILITY (IN WATER):** Emulsifies
- pH:** 6.04
- VISCOSITY @ 22°C:** 18.6 mm²/s (cST)

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:	>5000 mg/kg (1-octanol and 1-decanol)
ACUTE DERMAL LD₅₀:	>2000 mg/kg (1-octanol) 2000-4000 mg/kg (1-decanol)
ACUTE INHALATION LC₅₀:	>5.6 mg/L Dusts and Mists (1-octanol) (4 hrs.) >71 mg/L Dusts and Mists (1-decanol) (1 hr.); all rats survived
EYE IRRITATION:	Moderately irritating
CARCINOGENIC POTENTIAL:	This product is not mutagenic, teratogenic, or carcinogenic.
SKIN IRRITATION/SENSITIZATION:	Moderately irritating

12. ECOLOGICAL INFORMATION

TOXICOLOGY

ACUTE - AQUATIC TOXICITY

FISH

<i>Pimephales promelas</i> (fathead minnow):	Test substance: 1-octanol (literature value) LC ₅₀ : >10-100 mg/L; Flow-through test; Exposure Time: 96 Hours
<i>Pimephales promelas</i> (fathead minnow):	Test substance: 1-decanol (literature value) LC ₅₀ : >1-10 mg/L; Flow-through test; Exposure Time: 96 Hours

AQUATIC INVERTEBRATES

<i>Daphnia magna</i> (Water Flea):	Test substance: 1-octanol (literature value) EC ₅₀ : >1-10 mg/L; Static test; Exposure Time: 24 Hours
<i>Nitocra spinipes</i> :	Test substance: 1-decanol (literature value) LC ₅₀ : >1-10 mg/L; Static test; Exposure Time: 96 Hours

ALGAE

<i>Desmodesmus subspicatus</i> (green algae):	Test substance: 1-octanol (literature value) ErC ₅₀ : >10-100 mg/L; OECD Test Guideline 201; Exposure Time: 48 Hours
Algae:	Test substance: 1-decanol (literature value) Category Approach EC ₅₀ : >1-10 mg/L; Exposure Time: 72 Hours

CHRONIC - AQUATIC TOXICITY

FISH

<i>Pimephales promelas</i> (fathead minnow):	Test substance: 1-decanol (literature value) EC ₁₀ : >0.1-1 mg/L; Flow-through test; Exposure Time: 33 Days
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AQUATIC INVERTEBRATES

<i>Daphnia magna</i> (Water Flea):	Test substance: 1-octanol (literature value) NOEC: >0.1-1 mg/L; Semi-static test; OECD Test Guideline 21; Exposure Time: 21 Days
	Test substance: 1-decanol (literature value) NOEC: >0.1-1 mg/L; Semi-static test; OECD Test Guideline 21; Exposure Time: 21 Days

BIODEGRADATION:

Test substance: 1-octanol (literature value):	OECD Test Guideline 301B (28 Days): >60 %
Test substance: 1-decanol (literature value):	OECD Test Guideline 301B (28 Days): >60 %

BIOACCUMULATIVE POTENTIAL:

No data available

MOBILITY IN SOIL:

No data available

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 practice and in compliance with applicable local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

DOT: Non-regulated (See 49 CFR 173.132 (b) (3) & 1712.1-1 Appendix A)

IMDG: Non-regulated

ICAO/IATA: Non-regulated

Freight Description: Agricultural Growth Regulator, Modifier, or Inhibitor, liquid, n.o.s.

ERG Guide No. 171: This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

<u>NFPA</u>		<u>HMIS</u>	
1 Health	1 Reactivity	1 Health	1 Reactivity
1 Flammability		1 Flammability	H PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate: Y Fire: N Sudden Release of Pressure: N
Delayed: N Reactive: 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: Added GHS statement

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