

Safety Data Sheet

Kleen-Tac "85"

SDS Number: 11040
SDS Prepared: 02/15/1986
SDS Version: 4.3
Version Date: 10/18/2024

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

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.

EMERGENCY OVERVIEW

Signal Word - Warning

Hazard Statements

H303 - May be harmful if swallowed
H313 - May be harmful in contact with skin
H333 - May be harmful if inhaled
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H412 - Harmful to aquatic life with long lasting effects



GHS Label elements, including precautionary statements

Precautionary Statements - Prevention

P102 - Keep out of reach of children.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/eye protecting/face protection.
P264 - Wash face, hands, and any exposed skin 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.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary Statements - Response

P308 + P311 - If exposed or concerned: Call a POISON CENTER or doctor.

P304 + P340 - IF INHALED: Remove person 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.

P337+P313 – if eye irritation persists: Get medical advice/attention.

P312 - Call a POISON CENTER or doctor if you feel unwell

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302+P350 – IF ON SKIN: Wash with plenty of soap and water.

P332+P313 - If skin irritation occurs: get medical advice/attention.

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 for extinction.

Precautionary Statements - Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal site.

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
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. 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.
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):	230.18°F (110.1°C);
FLAMMABLE LIMITS (LFL & UFL):	Not established
EXTINGUISHING MEDIA:	Water spray, CO ₂ , 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 spill or leak has not ignited, use water

UNUSUAL FIRE AND EXPLOSION HAZARDS:

spray to disperse the vapors. Water spray may be used to flush spills away from fire and to dilute spills to nonflammable mixtures. 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:
PERMISSIBLE EXPOSURE
LIMIT:** No ACGIH TVL
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:
ENGINEERING CONTROLS:
RESPIRATORY PROTECTION:** Inhalation and dermal
Use adequate exhaust ventilation to prevent inhalation of product vapors. 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, otherwise use safety glasses.

SKIN PROTECTION: 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): 0.86
VAPOR PRESSURE: 1 mm Hg @ 70 °F (Fatty Alcohol Mixture)
VAPOR DENSITY (Air = 1): 4.5 (Fatty Alcohol Mixture)
% VOLATILITY (V/V): 85%
BOILING POINT: 401-459°F (205-237°C) (Fatty Alcohol Mixture)
MELTING POINT: 5.9°F (-14.5°C)

SOLUBILITY:	Emulsifies
pH:	6.04
VISCOSITY @ 22°C:	18.6 mm ² /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)
EYE IRRITATION:	Moderately irritating
INHALATION LC₅₀:	>5.6 mg/L Dusts and Mists (1-octanol) >71 mg/L Dusts and Mists (1-decanol); all rats survived at indicated concentration
CARCINOGENETIC POTENTIAL:	This product is not mutagenic, teratogenic, or carcinogenic.
ACUTE DERMAL LD₅₀:	>2000 mg/kg (1-octanol) 2000-4000 mg/kg (1-decanol)
SKIN IRRITATION/SENSITIZATION:	Moderately Irritating

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Toxicity to fish:

LC₅₀ (*Pimephales promelas* (fathead minnow)) 96 hours: > 10 - 100 mg/l; flow-through test

Test substance: 1-octanol (literature value)

LC₅₀ (*Pimephales promelas* (fathead minnow)) 96 hours: > 1 - 10 mg/l; flow-through test

Test substance: 1-decanol (literature value)

Toxicity to aquatic invertebrates:

EC₅₀ (*Daphnia magna* (Water flea)) 24 hours: > 1 - 10 mg/l; static test

Test substance: 1-octanol (literature value)

LC₅₀ (*Nitocra spinipes*) 96 hours: > 1 - 10 mg/l; static test

Test substance: 1-decanol (literature value)

Toxicity to algae

ErC₅₀ (*Desmodesmus subspicatus* (green algae)) 48 hours: > 10 - 100 mg/l; OECD Test Guideline 201

Test substance: 1-octanol (literature value)

EC₅₀ (algae) 72 hours: > 1 - 10 mg/l

Test substance: 1-decanol (literature value) Category approach

Chronic toxicity to fish

EC₁₀ (*Pimephales promelas* (fathead minnow)) 33 d: > 0.1 - 1 mg/l; flow-through test

Test substance: 1-decanol (literature value)

Chronic toxicity to aquatic invertebrates

NOEC (*Daphnia magna* (Water flea)) 21 d: > 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 211

Test substance: 1-octanol (literature value)

NOEC (*Daphnia magna* (Water flea)) 21 d: > 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 211

Test substance: 1-decanol (literature value)

Biodegradation

Readily biodegradable.

OECD Test Guideline 301B (28 d): > 60 %

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

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

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 are 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:****NFPA**

1 Health
 1 Flammability
 1 Reactivity

HMIS

1 Health
 1 Flammability
 1 Reactivity
 H PPE

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate: Y

Delayed: N

Sudden Release of Pressure: N

None

Fire: N

Reactive: N

Reportable Quantity (RQ) under U.S.**CERCLA:****SARA, Title III, Section 313:****SARA, Title III, Section 302:**

EHS

TPQ

Contains no chemical subject to SARA 313

None

10,000 lbs

Not listed

Not listed

RCRA Waste Code:**CA Proposition 65:****16. OTHER INFORMATION**

SDS STATUS: Updated
REASON FOR CHANGE: Updated Technical Information
PREPARED BY: Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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