

GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067
Phone: (215) 547-1015

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **TRIACONTENE tech - ENET4160**

CHEMICAL NAME: TRIACONTENE

SYNONYMS: C26 ALPHA OLEFIN

CHEMICAL FAMILY: HYDROCARBON

FORMULA: C₂₆H₅₂

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
1-TETRACOSENE	10192-23-2	<14	not established	
1-HEXACOSENE	18835-33-1	<16	not established	
1-OCTACOSENE	18835-34-2	<18	not established	
1-TRIACONTENE	36731-14-3	>25	not established	
ALKENES, C24-54 BRANCHED & LINEAR	131459-42-2	100	not established	

PHYSICAL DATA

Boiling Point: 220-300°C @ 5mm

Specific Gravity: 0.79

Vapor Density (air = 1): >1

% volatiles: <3

Molecular Weight: 420.8(average)

Appearance & Color: White waxy solid with mild odor

Melting Point: 60-70°C

Vapor Pressure, 20°: <0.01mm

Solubility in water: insoluble

Evaporation rate (butyl acetate = 1): <1

Viscosity, 100°: 9 cSt

FIRE & EXPLOSION DATA

Flash Point, CC: 232°C (450°F)

Autoignition Temp.: 368°C

Flammability Limits: not determined

Extinguishing Media: Water spray or fog, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(ENET4160)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed eye irritation.

Skin contact: May cause mild skin irritation. Avoid Contact.

Inhalation: No information available. Avoid inhalation.

Oral Toxicity - rat, LD50: >2000mg/kg

Chronic Toxicity: No animal results.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors..

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. Mechanical is recommended.

Respiratory Protection: If operating at elevated temperatures, NIOSH approved organic vapor respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

-2-(ENET4160)

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs MSDS ISSUE DATE ENET4160: 4/7/15
SUPERSEDES: none

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

-3-(ENET4160)

© 2015 Gelest Inc. Morrisville, PA 19067