



MATERIAL SAFETY DATA SHEET



ANDERSON DEVELOPMENT COMPANY

TELEPHONE (517) 263-2121 FAX (517) 263-1000

EMERGENCY TELEPHONE AFTER 5:00 PM EST (517) 263-5487

TRANSPORTATION EMERGENCY CALL CHEMTREC @ 1-800-424-9300

1. PRODUCT IDENTIFICATION

Product Identifier : Curene 49
CAS Registry # : Mixture
TSCA Status : All ingredients are Listed
Molecular Formula : Not Available
Molecular Weight : Not Available
Chemical Family : Polyol & Amine
Chemical Name : Not Applicable
Synonyms : None

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Material</u>	<u>WT.%</u>	<u>CAS Registry #</u>
Trimethylolpropane	75%	77-99-6
Triisopropanolamine	25%	122-20-3

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200):

	Exposure Limits 8 hrs. TWA (ppm)		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Not Applicable	-	-	-

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: No special precautions needed with anticipated use.

POTENTIAL HEALTH EFFECTS: Low hazard in anticipated industrial use.

INHALATION: At room temperature exposure to vapors is unlikely, however, higher temperatures may generate vapor levels sufficient to cause irritation.

EYE CONTACT: Vapors from heated material may cause moderate eye irritation

SKIN CONTACT: Prolonged or repeated exposure may cause skin irritation.

INGESTION: Material may be ingested through poor hygiene practices. Oral toxicity is low (Oral LD₅₀, rats, = 5994 mg/kg).

TARGET ORGANS: Not Established

CHRONIC: Repeated excessive exposure may cause kidney effects. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, skin or eyes.



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4. FIRST AID MEASURES

INHALATION: If irritation occurs, move to fresh-air. If symptoms persist, get medical attention.

EYE CONTACT: Immediately flush with large amounts of water, (at least 15 minutes). Seek immediate medical attention.

SKIN CONTACT: Immediately remove contaminated shoes and clothing. Wash with mild soap and water until no evidence of chemical remains. Get immediate medical attention if irritation occurs

INGESTION: Seek medical advice.

5. FIRE FIGHTING MEASURES

Flashpoint : >355°F
Flammable Limits : Not Applicable
Autoignition Temperature : Not Applicable

GENERAL HAZARD: No unusual fire and explosion hazards. Material is combustible.

FIRE FIGHTING INSTRUCTIONS: Use water spray, dry chemical, carbon dioxide or foam as extinguishing media.

FIRE FIGHTING EQUIPMENT: Wear Self-Contained Breathing Apparatus (SCBA) and protective clothing.

HAZARDOUS COMBUSTION PRODUCTS: None Known

	NFPA	HMIS
Fire:	0	x
Health:	1	x
Reactivity:	0	x
Specific:	-	x

6. STABILITY AND REACTIVITY

GENERAL: The material is stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Nitric acid, Oxygen, Hydrogen Peroxide, and other strong oxidizers or acids.

HAZARDOUS DECOMPOSITION: Oxides of carbon and nitrogen.



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7. HANDLING AND STORAGE

STORAGE : No specific storage conditions are required.

HANDLING: Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: Avoid breathing vapors or mist. If ventilation is inadequate for maintaining acceptable airborne concentrations, use an approved negative pressure respirator and organic vapor cartridge.

PROTECTIVE CLOTHING: Avoid skin contact. Wear impervious gloves and apron.

Eye Protection: Avoid eye contact. Wear chemical goggles and face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE	: < 1.00 mm Hg
VAPOR DENSITY	: Not Available
SPECIFIC GRAVITY	: Not Available
SOLUBILITY IN WATER	: Complete
EVAPORATION RATE	: Not Applicable
pH	: Not Applicable
BOILING POINT	: >260°C
MELTING POINT	: 140°F
VISCOSITY	: Not Available
ODOR	: Amine
APPEARANCE	: White Solid
COLOR	: White
PHYSICAL STATE	: Solid
VOLATILES	: Not Applicable
DECOMPOSITION TEMP	: Not Available

10. ACCIDENTAL RELEASE MEASURES

SPILL: Absorb with an inert material such as sand or vermiculite. Sweep up and dispose of in accordance with federal, state and local laws.



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11. TOXICOLOGICAL INFORMATION

CARCINOGEN STATUS: No data available.

ACUTE TOXICITY: Oral LD₅₀ > 5994mg / kg (rat)

TARGET ORGAN EFFECTS: None reported.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local laws.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION):

PROPER SHIPPING NAME:	Not Transportation Regulated
HAZARD CLASS:	Not Applicable
IDENTIFICATION NUMBER (UN/NA):	Not Applicable
Packing Group:	Not Applicable
Reportable Quantity:	Not Applicable

GENERAL TRANSFORMATION INFORMATION:

Not Transportation Regulated

15. REGULATORY INFORMATION

CERCLA (Comprehensive Response Compensation, and Liability Act): Not Applicable

SARA TITLE III (Superfund Amendments and Reauthorization Act): Not Applicable

CALIFORNIA PROPOSITION 65: Not Listed



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16. OTHER INFORMATION

This MSDS complies with 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Anderson Development Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Anderson Development Company be responsible for damages of any nature whatsoever resulting from the use of, misuse or reliance upon information. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure its activities comply with federal, state or provincial, and local laws and regulations.

APPROVED BY: Anderson Development Company Safety and Environmental Department

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