## 2-METHYL-1-PENTENE

(		ARY RESPO	INSE INFORMATION	4. FIRE	HAZARDS
Common Synor iso-Hexene 2-Methyl pentene-1 4-Methyl-4-pentene 1-Methyl-1-propylethy	pentene-1 -4-pentene Floats on water. Flam		Colorless ammable, irritating vapor is produced.	4.1 Flash Point: -15°F (est.). 4.2 Flammable Limi 4.3 Fire Extinguishi carbon dioxide, 4.4 Fire Extinguishi	ing Agents: Foam,
Shut off ign Avoid conta Stay upwind	ition sources act with liquid a d and use wat	and call fire departme and vapor. er spray to ``knock de Ilution control agencie	own" vapor.	Used: Water m 4.5 Special Hazards Products: Curr 4.6 Behavior in Fire with oxidizing m	ay be ineffective. s of Combustion rently not available aterials.
Fire FLAMMABLE. Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed are: Extinguish with dry chemical, foam, or carbon di Water may be ineffective on fire. Cool exposed containers with water.			n enclosed area. n, or carbon dioxide.	not available	ds: Currently not Currently not available e Temperature: Currently
Exposure CALL FOR MEDICAL AID. VAPOR If inhaled, will cause dizziness difficult breathing, or loss of cons Move to fresh air. If breathing has stopped, give artificial respiration. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Irritating to skin and eyes. Harmful if swallowed.			ificial respiration.	(calc.) 4.12 Flame Tempera available 4.13 Combustion Mo Product): 12.0 4.14 Minimum Oxyg Combustion (M	olar Ratio (Reactant to
Harmful if swallowed. Remove contaminated clothing and s Flush affected areas with plenty of w IF IN EVES, hold eveilds open and fl		of water. d flush with plenty of water. ONSCIOUS, have victim drink water or milk.	reaction 5.3 Stability During 5.4 Neutralizing Age	Common Materials: No Transport: Stable ents for Acids and ently not available	
Pollution	Notify local	gerous if it enters wa health and wildlife offi tors of nearby water	cials.		merization: Not pertinent
3.1 Personal Prote self-contain 3.2 Symptoms Foll eye irritatio 3.3 Treatment of E respiration i Flush with c	trige Systems: Skir ctive Equipm ed breathing a owing Expos o possible. xposure: Cali is labored, adi is labored, avate	a. HEALTH H Hent: Rubber or neop Apparatus. Jure: INHALATION: M I a doctor. INHALATI minister oxygen. If ur	ene gloves, splash goggles and NIOSH approved May produce anesthetic effects. EYES: Moderate ON: Remove from contaminated atmosphere. If conscious, administer artificial respiration. EYES Vash with soap and water. INCESTION: Do not	<ul> <li>6.1 Aquatic Toxicity 100-1000 ppm/9</li> <li>6.2 Waterfowl Toxic available</li> <li>6.3 Biological Oxyg Theoretical Oxyg 6 hrs., 1.1% aft hrs.</li> <li>6.4 Food Chain Cor Currently not av</li> <li>6.5 GESAMP Hazar Bioaccumulatit Damage to livir Human Oral ha Human Contac Reduction of an</li> </ul>	16 hr/finfish/TLM. eity: Currently not en Demand (BOD): rggen Demand-1.0% after er 12 hrs., 1.7% after 24 ecentration Potential: valiable d Profile: on: 0 or: 0 g resources: 2 zard: (1) t hazard: 0
<ul> <li>3.4 TLV-TWA: Not I</li> <li>3.5 TLV-STEL: Not</li> <li>3.6 TLV-Ceiling: Not</li> <li>3.7 Toxicity by Inpa</li> <li>3.9 Chronic Toxicit</li> <li>3.10 Vapor (Gas) Irr</li> <li>3.11 Liquid or Solid</li> <li>3.12 Odor Threshol</li> <li>3.13 IDLH Value: Not</li> <li>3.14 OSHA PEL-TW</li> <li>3.16 OSHA PEL-Cei</li> <li>3.17 EPA AEGL: Not</li> </ul>	listed. ot listed. setion: Curreel alation: Curreel y: Currently n itant Characterist d: Currently n t listed. /A: Not listed. L: Not listed. ling: Not liste	ntly not available. ot available teristics: Currently no ics: Currently not av ot available			NO

	Ship Type: 2 Barge Hull Type: Currently not available
	8. HAZARD CLASSIFICATIONS
8.1	49 CFR Category: Flammable liquid
8.2	49 CFR Class: 3
8.3	49 CFR Package Group: II
8.4	Marine Pollutant: No
8.5	NFPA Hazard Classification:
	Category Classification Health Hazard (Blue) 1
	Flammability (Red) 3
	Instability (Yellow)0
8.6	EPA Reportable Quantity: Not listed.
8.7	EPA Pollution Category: Not listed.
8.8	RCRA Waste Number: Not listed
8.9	EPA FWPCA List: Not listed
	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Physical State at 15° C and 1 atm: Liquid
9.2	Molecular Weight: 84.156.
9.3	Boiling Point at 1 atm: 143.8°F, 62°C, 355.2°K.
9.4	Freezing Point: -212.3°F, -135.8°C, 137.4°K.
9.5	Critical Temperature: Currently not available

7. SHIPPING INFORMATION

7.1 Grades of Purity: 99.9% with .1% isoolefins (Research). 99.8% with .1% isoolefins and .1% trans-4-Methylpentene-2 (pure). 95.8% (Tech). 95.0% Minimum.

7.2 Storage Temperature: Currently not available 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available 7.5 IMO Pollution Category: C

- 9.5 9.6 Critical Pressure: Currently not available
- 9.7 Specific Gravity: 0.685 at 15°C. 9.8 Liquid Surface Tension: Currently not
- available 9.9 Liquid Water Interfacial Tension: Currently not available
- 9.10 Vapor (Gas) Specific Gravity: 2.9.
- 9.11 Ratio of Specific Heats of Vapor (Gas): 1.067.
- 9.12 Latent Heat of Vaporization: 144.1 Btu/lb = 79.96 cal/g = 3.35 X 10<sup>5</sup> J/kg.
  9.13 Heat of Combustion: Currently not available
- 9.14 Heat of Decomposition: Currently not available
- 9.15 Heat of Solution: Currently not available
- 9.16 Heat of Polymerization: Not pertinent
- 9.17 Heat of Fusion: Currently not available
- 9.18 Limiting Value: Currently not available
- 9.19 Reid Vapor Pressure: Currently not available

NOTES

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
60	42.640		C UR RENTLY NOT A V A I LA B LE		CURRENTLY NOT AVAILABLE		C U R R E N T L Y N O T A V A I L A B L E

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	I N S O L U B L E	100	6.300		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E