1-DECENE

Common Sync	nyms	Watery liquid	Colorless	Pleasant odor	4.1 Fla	sh	
alpha-Decene		Floats on water.			4.2 Fia 4.3 Fir	e E her	
Кеер реор	le away.				4.4 Fire	e E Ise	
Avoid cont Shut off ign	act with liquid. hition sources a	and call fire departm	ent.		4.5 Sp P	ec ro	
	Combustible	iution control agenc	les.		4.6 Bel 4.7 Au	ha to	
Fire	Extinguish w	Combustible. Extinguish with dry chemical, foam, or carbon dioxide.					
Exposure	CALL FOR I	4.9 Bu	rni				
	LIQUID				4.11 56	ot	
	Remove con	itaminated clothing and areas with plenty	and shoes. of water		4.11 50	cal	
	IF IN EYES,	hold eyelids open a	and flush with plenty of w	ater.	4.13 Cr	va	
Water	Effect of low Fouling to sl	concentrations on noreline.	aquatic life is unknown.		P 4 14 Mi	'ro ini	
Pollution	May be dan Notify local	perous if it enters wanted to a second	ater intakes. control officials.		C	or	
	Notity opera	tors of nearby wate	Tintakes.		5	5.	
	RESPONSE	ACTIONS			5.1 Res 5.2 Res	ac ac	
Stop disch Contain	arge	ACTIONS	2.1 CG Compatibi	lity Group: Currently not	re 5.3 Sta	ea abi	
Collection Chemical a	Systems: Skin and Physical Tr	n eatment: Burn;	2.2 Formula: CH ₂ 2.3 IMO/UN Desig	Dietin =CH(CH₂)7CH₃ nation: Not listed	5.4 Nei C	uti au	
Absorb Clean shor	e line		2.4 DOT ID No.: N 2.5 CAS Registry	ot listed No.: Currently not available	5.5 Pol	lyr nib	
Salvage w	aterrowi		2.6 NAERG Guide 2.7 Standard Indu	No.: Not listed Istrial Trade Classificatio	on:	e	
		3. HEALTH I	HAZARDS		6.1 Aq	ua	
3.1 Personal Prote	ective Equipm	ent: Organic canist	er or air-supplied mask,	goggles or face shield.	CL 6.2 Wa	ate	
5.Z SVIIIDIUIIIS FUI	high concentra	tion. May also act a	as a slight anesthetic at I	high concentration.	6.3 Bic	va blo	
present in		VIAUL VVIIDETES	OR SKIN: splasnes in I	ine eye should be removed	- C		
present in 3.3 Treatment of E by thoroug	Exposure: CO h flushing with	water. Skin areas s	nouid be washed with so	ap and water. Contaminate	6.4 For	ur od	
present in 3.3 Treatment of E by thoroug clothing sh 3.4 TLV-TWA: Not	Exposure: CO h flushing with ould be launder listed.	water. Skin areas s ed before reuse.	nouid be washed with so	ap and water. Contaminat	6.4 Fo N 6.5 GE	od lor	
present in 3.3 Treatment of E by thoroug clothing sh 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: N	Exposure: CO h flushing with ould be launder listed. : listed. ot listed.	water. Skin areas s ed before reuse.	nouid de Wasned with Sc	ap and water. Contaminat	ed 6.4 Fo N 6.5 GE Bi Da		
present in 3.3 Treatment of E by thoroug clothing sh 3.4 TLV-TWA: Not 3.5 TLV-STEL: Noi 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Inh	Exposure: CO h flushing with ould be launder listed. t listed. ot listed. estion: Currer alation: Currer	water. Skin areas s ed before reuse. tty not available ntly not available.	noula de Wasned With Sc		ed 6.4 Fo N 6.5 GE Bi Da Hu Hu	oc lor Sioa an	
present in 3.3 Treatment of F by thoroug clothing sh 3.4 TLV-TWA: Not 3.5 TLV-STEL: No 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Inh 3.9 Chronic Toxic 3.10 Vapor (Gas) In	Exposure: CO h flushing with ould be launder listed. i listed. ot listed. estion: Currer alation: Currer ty: Currently n ritant Charact	water. Skin areas s ed before reuse. htly not available ntly not available. ot available eristics: Slight sma	nouid be washed with so	tory system at high	ed 6.4 Fo N 6.5 GE Bi Da Hu Hu Re	oc lor Sioa an un ed	
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7.1 Grades of Purity Technical: 05-00%
7.2 Storage Temperature: Ambient
7.3 Inert Atmosphere: No requirement
7.4 Venting: Open (flame arrester)
7.5 IMO Pollution Category: B
7.6 Ship Type: 3
7.7 Barge null Type. Currently not available
8. HAZARD CLASSIFICATIONS
8.1 49 CFR Category: Not listed
8.2 49 CFR Class: Not pertinent
8.3 49 CFR Package Group: Not listed.
8.5 NFPA Hazard Classification:
Category Classification
Health Hazard (Blue) 0
Flammability (Red) 2
Instability (Yellow)
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: 140.2
443.8°K
9.4 Freezing Point: -87.3°F = -66.3°C =
206.9°K 9.5 Critical Temperature: Not pertinent
9.6 Critical Pressure: Not pertinent
9.7 Specific Gravity: 0.741 at 20°C (liquid)
9.8 Liquid Surface Tension: 24 dynes/cm =
0.024 N/m at 20°C
dynes/cm = 0.028 N/m at 22.7°C
9.10 Vapor (Gas) Specific Gravity: 4.8
9.11 Ratio of Specific Heats of Vapor (Gas): 1.039
9.12 Latent Heat of Vaporization: 119 Btu/lb =
$65.9 \text{ cal/g} = 2.76 \text{ X} 10^5 \text{ J/kg}$
9.13 Heat of Combustion: -19,107 Btu/lb = -10,615 cal/g = -444.43 X 10 ⁵ J/ko
9.14 Heat of Decomposition: Not pertinent
9.15 Heat of Solution: Not pertinent
9.16 Heat of Polymerization: Not pertinent
9.17 Heat of Fusion: Currently not available
9.19 Reid Vanor Pressure: Currently not

1-DECENE

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
40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210	46.980 46.700 46.430 45.830 45.830 45.820 45.350 45.350 44.810 44.840 44.270 44.270 44.000 43.730 43.460 43.3460 43.3460 43.3450 42.920 42.950 42.380		C U R R E N T L Y N O T A V A I L A B L E	30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200	0.947 0.937 0.928 0.919 0.900 0.891 0.881 0.872 0.863 0.853 0.844 0.835 0.826 0.816 0.816 0.807 0.798 0.788	40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210	0.969 0.895 0.829 0.771 0.718 0.671 0.628 0.590 0.555 0.523 0.494 0.467 0.443 0.467 0.421 0.400 0.381 0.364 0.348

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	
	н Г Ф С Г О И Z –	70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240	0.028 0.039 0.055 0.077 0.106 0.144 0.193 0.258 0.340 0.445 0.577 0.742 0.946 1.199 1.508 1.884 2.339 2.886	70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240	0.00068 0.00132 0.00132 0.00243 0.00243 0.00429 0.00561 0.00728 0.00937 0.01196 0.01514 0.01514 0.02941 0.02941 0.02941 0.02821 0.04430 0.05387	0 10 20 30 40 50 60 70 80 90 110 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250	0.335 0.341 0.347 0.353 0.358 0.364 0.376 0.381 0.387 0.393 0.404 0.410 0.410 0.416 0.422 0.427 0.423 0.433 0.439 0.433 0.439 0.445 0.450 0.456 0.462 0.462 0.462 0.473 0.479	