ACETONE

			ONSE INFORMATION	l	4	
Common Synonyms Watery liquid Dimethyl ketone Propanone Sloats and mixe			Colorless vith water. Flammable, irritating va	4.1 Flash Po 4.2 Flammat 4.3 Fire Extin dry che		
Stay upwir Shut off ig Stop disch Isolate and Avoid cont Notify loca	nd and use wat nition sources a large if possible d remove disch tact with liquid a I health and po	er spray to ``knock d and call fire departmo e. larged material. and vapor. Ilution control agenci	own" vapor. ent. Keep people away. es.		4.4 Fire Extin Used: V scatter used. 4.5 Special F Produc 4.6 Behavior	
Fire	FLAMMABL Flashback a Vapor may e Extinguish w Water may Cool expose	4.7 Auto Ign 4.8 Electrica 4.9 Burning 4.10 Adiabat not ava 4.11 Stoicho				
Exposure	DO NOT INE CALL FOR I VAPOR Irritating to e If inhaled, m Move to free If breathing If breathing LIQUID Irritating to e	Current 4.12 Flame T availabl 4.13 Combus Produc 4.14 Minimuu Combu 5. CH 5.1 Reactivit 5.2 Reactivit				
	Not irritating	to skin. , hold eyelids open a	nd flush with plenty of water.		Avoid c agents, 5.3 Stability	
Water Pollution	Water Dangerous to aquatic life in high concentrations. May be dangerous if it enters water intakes. Notify local health and pollution control officials. Notify operators of nearby water intakes.					
	,		2.5 Information 23.5 Information 23.5 Information 24.5 Information 25.5 CAS Registry No.: 67-6 2.6 NAERG Guide No.: 127 2.7 Standard Industrial Tra 51623	4-1 de Classification:	6.2 Waterfox 6.3 Biologic (Theor) 6.4 Food Ch	
 3.1 Personal Protigloves; chi as an ane: to mucous leading to as an ane: to mucous leading to as an ane: to mucous leading to a summary of the second of the seco	ective Equipm emical safety g lowing Expos sthetic in very h membranes. S dermatitis. Exposure: INH- artificial respir large amounts bip promptly; no ediately for at l ppm ediately for at l ppm ediately for at l ppm testion: Grade alation: Curre ity: Not pertine rritant Charact the eyes or re d Characterist atile and evapo del: 100 ppm NA: 1,000 ppm NA: 1,000 ppm Isling: Not listed	<pre>tent: Organic vapor i poggles or face splas ure: INI+ALATION: if victim i high concentrations. SKIN: prolonged exce tALATION: if victim i and is conscious an specific antidote km east 15 min. Consult of 1; LDso = 5 to 15 g ently not available. Int teristics: If present i spiratory system. Ef tics: No appreciable prates quickly from th h. d.</pre>	canister or air-supplied mask; synl h shield. vapor irritating to eyes and mucou INGESTION: low order of toxicity sssive contact causes defatting of s overcome, remove to fresh air a regular or stopped. INGESTION: d not having convulsions, induce v own. SKIN: wash well with water. a physician. kg (dog) n high concentrations, vapors cau fect is temporary. hazard. Practically harmless to th e skin.	thetic rubber s membranes; acts but very irritating the skin, possibly nd call a physician; if victim has comiting and get EYES: flush with ase moderate the skin because it	0.3 GESAM Bioaccu Damage Human Reducti	

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point: 1°F C.C.	7.1 Grades of Purity: Technical: 99.5% p
I.2 Flammable Limits in Air: 2.6%-12.8%	7 2 Storage Temperature: Ambient
dry chemical, carbon dioxide	7.3 Inert Atmosphere: No requirement
4 Fire Extinguishing Agents Not to Be	7.4 Venting: Open (flame arrester) or pres
scatter and spread fire and should not be	75 INO Pollution Category: Currently not
used.	7.6 Ship Type: Currently not available
Products: Not pertinent	7.7 Barge Hull Type: Currently not availab
.6 Behavior in Fire: Not pertinent	
.7 Auto Ignition Temperature: 869°F	8. HAZARD CLASSIFICATIONS
.9 Burning Rate: 3.9 mm/min.	8.1 49 CFR Category: Flammable liquid
.10 Adiabatic Flame Temperature: Currently	8.2 49 CFR Class: 3 8.3 49 CFR Package Group: II
not available	8.4 Marine Pollutant: No
Currently not available	8.5 NFPA Hazard Classification:
.12 Flame Temperature: Currently not	Category Classification
13 Combustion Molar Ratio (Reactant to	Elammability (Bod)
Product): Currently not available	Instability (Yellow)
14 Minimum Oxygen Concentration for	8.6 EPA Reportable Quantity: 5000
Combustion (mocc): Not listed	8.7 EPA Pollution Category: D
5. CHEMICAL REACTIVITY	8.8 RCRA Waste Number: U002
1 Reactivity with Water: No reaction	8.9 EPA FWPCA List: Not listed
5.2 Reactivity with Common Materials:	
Avoid contact with strond oxidizing	9. PHYSICAL & CHEMICAL
agenis, acius 5.3 Stability During Transport: Stable	FROPERTIES
.4 Neutralizing Agents for Acids and	9.1 Physical State at 15° C and 1 atm: Li
Caustics: Not pertinent	9.2 Molecular Weight: 58.08
5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	329.3°K
	9.4 Freezing Point: -138°F = -94.7°C = 1
6. WATER POLLUTION	9.5 Critical Temperature: 455.0°F = 235°
.1 Aquatic Toxicity:	9.6 Critical Pressure: 682 psia = 46.4 atm
14,250 ppm/24 hr/sunfish/killed/tap water	MV/m ²
turbid water	9.7 Specific Gravity: 0.791 at 20°C (liquid
2 Waterfowl Toxicity: Not pertinent	9.8 Liquid Surface Tension: Not pertinen
.3 Biological Oxygen Demand (BOD):	9.9 Liquid Water Interfacial Tension: Not pertinent
.4 Food Chain Concentration Potential:	9.10 Vapor (Gas) Specific Gravity: 2.0
None noted	9.11 Ratio of Specific Heats of Vapor (G
.5 GESAMP Hazard Profile:	1.127
Damage to living resources: 0	9.12 Latent Heat of Vaporization: 220 Bt 122 cal/g = 5.11 X 10 ⁵ J/kg
Human Oral hazard: 1	9.13 Heat of Combustion: -12,250 Btu/lb
Reduction of amenities: X	-6808 cal/g = -285.0 X 10 ⁵ J/kg
	9.14 Heat of Decomposition: Not pertinen
	9.16 Heat of Polymerization: Not pertinent
	9.17 Heat of Fusion: 23.42 cal/g
	9.18 Limiting Value: Currently not available
	9.19 Reid Vapor Pressure: 7.25 psia
NOT	
NOT	-0

ACETONE

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
-120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120	56.350 55.980 55.620 55.250 54.880 54.520 53.780 53.780 53.300 51.920 51.920 51.920 51.920 51.920 51.920 51.920 51.920 51.920 53.880 50.920 49.610 49.230 48.840 48.450 48.450 48.450 47.280	34 36 38 40 42 44 48 52 52 54 56 56 56 56 60 62 64 66 66 60 62 64 66 82 70 74 78 82 84	0.507 0.508 0.509 0.510 0.511 0.512 0.513 0.514 0.515 0.516 0.516 0.517 0.520 0.521 0.522 0.522 0.522 0.525 0.525 0.525 0.525	30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105	1.193 1.184 1.174 1.164 1.155 1.145 1.135 1.126 1.106 1.097 1.087 1.087 1.068 1.058 1.048		NOT PERTIZENT

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
	M S C B L E	-20 -10 0 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190	0.245 0.354 0.501 0.698 0.956 1.291 1.719 2.260 2.935 3.770 4.791 6.029 7.516 9.290 11.390 13.850 16.720 20.060 23.890 23.890 33.300 38.980	-20 -10 0 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190	0.00302 0.00426 0.00590 0.01079 0.01427 0.01862 0.03851 0.03851 0.04803 0.05934 0.07266 0.08823 0.10630 0.12710 0.15090 0.17800 0.228170 0.224310 0.28170 0.32460	0 25 50 75 100 125 150 275 250 225 250 275 300 225 250 275 300 405 425 450 475 500 525 550 575 600	0.275 0.286 0.296 0.307 0.317 0.327 0.337 0.347 0.357 0.367 0.376 0.376 0.376 0.376 0.386 0.395 0.405 0.414 0.423 0.431 0.423 0.431 0.440 0.449 0.457 0.466 0.474 0.482 0.498