N,N-DIMETHYL ACETAMIDE SOLUTION (40% OR LESS)

	CAUTION	ARY RESPO	ONSE INFORMA			4. FIRE HAZARDS	7. SHIPPING INFORMATION	
Common Synonyms Acetic acid, dimethylamide Dimethylacetamide Keep people away. Avoid contact with liqu		-	Colorless	Slight ammonia- like odor	4.2 Flar 21 4.3 Fire ch	th Point: 158°F O.C. 145°F C.C. nmable Limits in Air: LEL: 1.8% @ 2°F; UEL: 1.15% @ 320°F. Extinguishing Agents: Dry errical, alcohol foam, carbon dioxide Extinguishing Agents Not to Be	7.1 Grades of Purity: Technical grades; CP. 7.2 Storage Temperature: Ambient. 7.3 Inert Atmosphere: No requirement. 7.4 Venting: Pressure vacuum valve. 7.5 IMO Pollution Category: D	
Shut off igr Wear gogg overclothin Notify local	hition sources an les, self-contain g (including glove I health and pollu	d call fire departme ed breathing appara	ent. atus, and rubber		Us ex 4.5 Spe Pr	ed: Do not use halogenated tinguishing media or water. cial Hazards of Combustion oducts: Emits carbon oxides, nitrogen	7.6 Ship Type: 3 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS	
Protect water intakes. Fire Combustible. Toxic vapors and gases may be generated in fire. Wear full protective clothing and self-contained breathing apparatus. Extinguish with dry chemical, alcohol foam, or carbon dioxide. Use water spray to cool exposed containers.				to 4.6 Beh cc frc 4.7 Aut	ides, and dimethylamine when heated decomposition. avior in Fire: Sealed closed ntainers may rupture from pressure m heat of fire. b Ignition Temperature: 914°F trical Hazards: Not listed.	 8.1 49 CFR Category: Not listed. 8.2 49 CFR Class: Not pertinent. 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: 		
Exposure	Exposure Call for medical aid. LIQUID Harmful if swallowed, inhaled, or absorbed through skin. Move to fresh air. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or mik and have victim induce vomiting. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If not breathing is difficult, give oxygen.				4.9 Bur 4.10 Ad nc 4.11 Sto (c 4.12 Fila av 4.13 Co Pr 4.14 Min	Incar nazarus. Not insteu. ning Rate: Currently not available abatic Flame Temperature: Currently t available ichometric Air to Fuel Ratio: 32.1 alc.) me Temperature: Currently not ailable mbustion Molar Ratio (Reactant to oduct): 9.5 (calc.) himum Oxygen Concentration for mbustion (MOCC): Not listed	Category Classification Health Hazard (Blue)	
Water Pollution Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.				5.1 Rea 5.2 Rea	CHEMICAL REACTIVITY ctivity with Water: No reaction. ctivity with Common Materials: compatible with oxiding agents and	PROPERTIES 9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 87.14 9.3 Boiling Point at 1 atm: 331°F = 166°C =		
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge		ACTIONS	2.1 CG Compatibilit 2.2 Formula: (CH3)2 2.3 IMO/UN Designa available 2.4 DOT ID No.: Not 2.5 CAS Registry Ni 2.6 NAERG Guide N	NCOCH ₃ ttion: Currently not listed. o.: 127-19-5	ha 5.3 Stal 5.4 Neu Ca 5.5 Pol 5.6 Inhi pe	compatible with oxidizing agents and logenated compounds. Dilty During Transport: Stable. tralizing Agents for Acids and uustics: Not pertinent. merization: Will not polymerize. bitor of Polymerization: Not trinent. 6. WATER POLLUTION atic Toxicity:	 9.4 Source 1 and a training of the food of a fo	
 3. HEALTH HAZARDS 3.1 Personal Protective Equipment: Wear impervious protective clothing, including boots, gloves, and apron or coveralls to prevent skin contact. Use goggles or face shield where splashing is possible. Do not wear contact lenses when working with this compound. 3.2 Symptoms Following Exposure: Inhalation may cause nasal and respiratory irritation. May cause systemic poisoning. Ingestion may cause addominal spasms, vomiting, weaking, weaki				where splashing is possible. ry irritation. May cause sweating, weakness, and ermatitis, and sensitization. vater for 15 min., lifting lids aminated clothing and	 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): Currently not available 6.4 Food Chain Concentration Potentia None. 6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 0 Human Oral hazard: 1 Human Contact hazard: 11 Reduction of amenities: XX 		Currently not available 9.12 Latent Heat of Vaporization: Currently not available 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 Folymerization: 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	
exposures in focal neo 3.10 Vapor (Gas) Ir high conce 3.11 Liquid or Solid	in dogs caused s crosis of the liqui ritant Character Intractions unples d Characteristic rting and reddeni Id: 20 ppm. 20 ppm VA: 10 ppm 'EL: Not listed. illing: Not listed.	severe fatty infiltrat d. ristics: Vapors cau asant. The effect is s: Minimum hazard	se moderate irritation suc	exposures in rats resulted		NU	TES	

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D	LS

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
	C UR 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		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE

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	68	0.029	68	0.00045		C U R R E N T L Y N O T A V A I L A B L E