

# DICHLOBENIL

DIB

CAUTIONARY RESPONSE INFORMATION			
Common Synonyms Casoron 2,6-DBN 2,6-Dichlorobenzonitrile Du-sprex NIA 5996	Solid crystalline Mixes slowly with water.	White	Aromatic odor
Keep people away. Wear goggles, self-contained breathing apparatus, protective clothing, and rubber gloves. Notify local health and pollution control agencies. Protect water intakes.			
Fire	Not flammable.		
Exposure	CALL FOR MEDICAL AID.  SOLID Harmful if swallowed. IF SWALLOWED and victim is CONSCIOUS have victim drink water or milk and induce vomiting. Flush affected areas with plenty of water.		
Water Pollution	HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.		

1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS
Stop discharge Contain Collection Systems: Pump; Dredge	2.1 CG Compatibility Group: Not listed. 2.2 Formula: C <sub>6</sub> H <sub>5</sub> C≡N 2.3 IMO/UN Designation: 6.1/1609(>10%); 9/1609 (<10%) 2.4 DOT ID No.: Not listed. 2.5 CAS Registry No.: 1194-65-6 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 51484
3. HEALTH HAZARDS	
3.1 Personal Protective Equipment: Use dust respirator, rubber gloves, goggles, paper suit, hand barrier cream. 3.2 Symptoms Following Exposure: INHALATION: No human overexposures known. INGESTION: Most prominent symptoms in laboratory animals 4 hours after exposure are inactivity, anorexia, and sedation. 3.3 Treatment of Exposure: Call a physician. EYES: Flush with water. SKIN: Wash with water. INGESTION: Gastric lavage and symptomatic therapy. 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 2; LD <sub>50</sub> = 0.5 to 5 g/kg. 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: At 50 ppm growth inhibition occurred in second generation rats and at higher levels hypertrophy of liver and kidneys was found. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available. 3.11 Liquid or Solid Characteristics: No appreciable hazard. Practically harmless to skin. 3.12 Odor Threshold: Currently not available. 3.13 IDLH Value: Not listed. 3.14 OSHA PEL-TWA: Not listed. 3.15 OSHA PEL-STEL: Not listed. 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA A EGL: Not listed	

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point: Not flammable	7.1 Grades of Purity: Currently not available 7.2 Storage Temperature: Cool
4.2 Flammable Limits in Air: Not flammable	7.3 Inert Atmosphere: Currently not available
4.3 Fire Extinguishing Agents: All media are applicable.	7.4 Venting: Currently not available
4.4 Fire Extinguishing Agents Not to Be Used: None	7.5 IMO Pollution Category: Currently not available
4.5 Special Hazards of Combustion Products: Currently not available	7.6 Ship Type: Currently not available
4.6 Behavior in Fire: Currently not available	7.7 Barge Hull Type: Currently not available
4.7 Auto Ignition Temperature: Not flammable	8. HAZARD CLASSIFICATIONS
4.8 Electrical Hazards: Not flammable	8.1 49 CFR Category: Not listed.
4.9 Burning Rate: Not flammable	8.2 49 CFR Class: Not listed.
4.10 Adiabatic Flame Temperature: Currently not available	8.3 49 CFR Package Group: Not listed.
4.11 Stoichiometric Air to Fuel Ratio: Not pertinent	8.4 Marine Pollutant: No
4.12 Flame Temperature: Currently not available	8.5 NFPA Hazard Classification: Not listed
4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent	8.6 EPA Reportable Quantity: 100 pounds
4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed	8.7 EPA Pollution Category: B
5. CHEMICAL REACTIVITY	8.8 RCRA Waste Number: Not listed
5.1 Reactivity with Water: No reaction Suspension. Does not deteriorate.	8.9 EPA FWPCA List: Yes
5.2 Reactivity with Common Materials: No reaction	9. PHYSICAL & CHEMICAL PROPERTIES
5.3 Stability During Transport: Stable	9.1 Physical State at 15° C and 1 atm: Solid
5.4 Neutralizing Agents for Acids and Caustics: Currently not available	9.2 Molecular Weight: 172
5.5 Polymerization: Not pertinent	9.3 Boiling Point at 1 atm: 518°F = 270°C = 543.2°K
5.6 Inhibitor of Polymerization: Not pertinent	9.4 Freezing Point: 293 to 294.8°F = 145 to 146°C = 418.2 to 419.2°K
6. WATER POLLUTION	9.5 Critical Temperature: Currently not available
6.1 Aquatic Toxicity: Wettable powder 17 to 22 ppm/24-hour/Bluegill/LC <sub>50</sub> 23 ppm/24-hour/Rainbow trout/LC <sub>50</sub> Granular 37 ppm/24-hour/Bluegill/LC <sub>50</sub> 20 ppm/48-hour/Bluegill/LC <sub>50</sub> 120 ppm/24-hour/Harlequin fish/LC <sub>50</sub>	9.6 Critical Pressure: Currently not available
6.2 Waterfowl Toxicity: Young mallards LD <sub>50</sub> = >2000 mg/kg	9.7 Specific Gravity: Currently not available
6.3 Biological Oxygen Demand (BOD): Currently not available	9.8 Liquid Surface Tension: Currently not available
6.4 Food Chain Concentration Potential: Accumulated by goldfish at a 15 to 20 fold level in 3 months.	9.9 Liquid Water Interfacial Tension: Currently not available
6.5 GESAMP Hazard Profile: Not listed	9.10 Vapor (Gas) Specific Gravity: Currently not available
	9.11 Ratio of Specific Heats of Vapor (Gas): 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: Thermally extremely stable
	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
CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE	CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE		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
68	0.002	220	0.405	220	0.01531		CURRENTLY
69	0.002	240	1.364	240	0.04800		
70	0.002	260	2.323	260	0.07567		
71	0.002	280	3.282	280	0.09938		
72	0.002	300	4.241	300	0.11993		
73	0.002	320	5.201	320	0.13791		
74	0.002	340	6.160	340	0.15377		
75	0.002	360	7.119	360	0.16787		
76	0.002	380	8.078	380	0.18049		
77	0.002	400	9.037	400	0.19185		NOT AVAILABLE
		420	9.996	420	0.20212		
		440	10.955	440	0.21146		
		460	11.915	460	0.21999		
		480	12.874	480	0.22781		
		500	13.833	500	0.23500		