HEXACHLOROBENZENE

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CAUTIONARY RESPONSE INFORMATION 4. FIRE HAZARDS 7. SHIPPING INFORMATION 4.1 Flash Point: 468°F. C.C. 7.1 Grades of Purity: 97% Solid, needle-like White Faint, not 7.2 Storage Temperature: Ambient crvstals unpleasant 4.2 Flammable Limits in Air: Currently not 7.3 Inert Atmosphere: Not listed available 7.4 Venting: Not pertinent 4.3 Fire Extinguishing Agents: Small fires: dry chemical, CO₂, fog or foam; large fires: water spray, fog or foam. Sinks in water 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available VOID CONTACT WITH SOLID AND DUST. KEEP PEOPLE AWAY. 4.4 Fire Extinguishing Agents Not to Be 7.7 Barge Hull Type: Currently not available Wear self-contained positive pressure breathing apparatus and full protective clothing. Call fire department. Notify local health and pollution control agencies Used: Not pertinent Special Hazards of Combustion Products: They contain highly toxic 8. HAZARD CLASSIFICATIONS chloride fumes 8.1 49 CFR Category: Keep Away From Food 4.6 Behavior in Fire: Produces highly toxic 8.2 49 CFR Class: 6.1 Combustible. POISONOUS GASES MAY BE PRODUCED IN FIRE. chloride fumes 8.3 49 CFR Package Group: III Wear self-contained positive pressure breathing apparatus and full protective clothing. Extinguish small fires: dry chemical, CO₂, water spray or foam; 4.7 Auto Ignition Temperature: Currently not 8.4 Marine Pollutant: No availab 8.5 NFPA Hazard Classification: 4.8 Electrical Hazards: Currently not large fires: water spray, fog or foam. Move container from fire area if you can do it without risk Category Classification Health Hazard (Blue)...... 1 available 4.9 Burning Rate: Currently not available Flammability (Red)..... CALL FOR MEDICAL AID. 4.10 Adiabatic Flame Temperature: Currently not available Instability (Yellow)..... Harmful if inhaled. 4.11 Stoichometric Air to Fuel Ratio: 0.0 8.6 EPA Reportable Quantity: 10 pounds Irritating to eyes, skin and mucous membranes. Move victim to fresh air. If breathing has stopped, give artificial respiration. (calc.) 8.7 EPA Pollution Category: A 4.12 Flame Temperature: Currently not 8.8 RCRA Waste Number: U127/D032 available If breathing is difficult, give oxygen. If in eyes or on skin, flush with running water for at least 8.9 EPA FWPCA List: Not listed 4.13 Combustion Molar Ratio (Reactant to Product): Currently not available (calc.) 15 min.; hold eyelids open if neccessary 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 9. PHYSICAL & CHEMICAL PROPERTIES Harmful if swallowed. Irritating to eyes and skin. IF IN EYES OR ON SKIN, flush with running water for at least 5. CHEMICAL REACTIVITY 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 284.78 The TES OK OWN AND, ISSN WITH TURNINg water for a treast 15 min; hold eyelids open if neccessary. Remove and isolate contaminated clothing and shoes at the site. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, 5.1 Reactivity with Water: No reaction **9.3 Boiling Point at 1 atm:** 589°F. = 309°C. = 583°K. 5.2 Reactivity with Common Materials: Currently not available do nothing except keep victim warm. 9.4 Freezing Point: 446°F. = 230°C. = 503°K. 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 9.5 Critical Temperature: 1025°F. = 552°C. = HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. 825°K. May be dangerous if it enters water intak Notify local health and wildlife officials. 9.6 Critical Pressure: 413 psia = 28.1 atm = 2.85 5.5 Polymerization: Not pertinent Notify operators of nearby water intakes 5.6 Inhibitor of Polymerization: Not pertinent MN/m² (est.) 9.7 Specific Gravity: 2.044 at 24°C. 6. WATER POLLUTION 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not 6.1 Aquatic Toxicity: >0.32 ppm/336 hr/guppy/LCso/fresh water 1. CORRECTIVE RESPONSE ACTIONS 2. CHEMICAL DESIGNATIONS CG Compatibility Group: Not listed. 9.10 Vapor (Gas) Specific Gravity: 9.8 2.1 2.2 6.2 Waterfowl Toxicity: Currently not 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent Ia: C6Cl6 available IMO/UN Designation: 6.1/2729 DOT ID No.: 2729 2.3 2.4 6.3 Biological Oxygen Demand (BOD): Currently not available CAS Registry No.: 2729 CAS Registry No.: 118-74-1 NAERG Guide No.: 152 Standard Industrial Trade Classification: 51139 9.12 Latent Heat of Vaporization: Not pertinent 25 2.6 2.7 6.4 Food Chain Concentration Potential: 9.13 Heat of Combustion: Currently not available Currently not available 9.14 Heat of Decomposition: Not pertinent 6.5 GESAMP Hazard Profile: Not listed 9.15 Heat of Solution: Not pertinent 3. HEALTH HAZARDS 9.16 Heat of Polymerization: Not pertinent 3.1 Personal Protective Equipment: Wear self-contained positive pressure breathing apparatus and full 9 17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 3.2 Symptoms Following Exposure: Harmful by dust inhalation or if swallowed. Irritating to eyes, skin and 9.19 Reid Vapor Pressure: Not pertinent mucous membranes. Prolonged periods of ingestion may cause cutaneous porphyria. 3.3 Treatment of Exposure: INHALATION: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. EYES OR SKIN: Flush with running water for at least 15 min.; hold eyelids open if necessary. Wash skin with soap and water. Remove and isolate NOTES contaminated clothing and shoes at the site. INGESTION: If victim is conscious, use gastric lavage to clean out stomach followed by saline catharsis. If victim is unconscious or having convulsions, do nothing except keep victim warm. 3.7 Toxicity by Ingestion: Grade 1; LD₅₀ = 10.0 g/kg (rat) 3.8 Toxicity by Inhalation: Currently not available 3.9 Chronic Toxicity: Can cause mutagenic, reproductive and tumorigenic effects. It is an animal carcinogen and a human suspect carcinogen. Chronic ingestion has caused enlargement of the thyroid and lymph nodes, skin photosensitization and abnormal growth of body hair. May cause liver, kidney and lung damage. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available 3.11 Liquid or Solid Characteristics: Solid may cause slight irritation of the skin. 3.12 Odor Threshold: Currently not available

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Common Synonyms

Benzene, hexachloro-Pentachlorophenyl chloride Perchlorobenzene Phenyl perchloryl

Fire

Exposure

Water

Pollution

DUST

SOLID

Collection Systems: Dredge

protective clothin

3.4 TLV-TWA: 0.002 mg/m³ 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed.

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 AEGL: Not listed

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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
	N O T		N O T		N O T		NOT
	T PERTINENT		T PERTINEENT		T PERTINEZT		T

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	250 275 300 325 350 375 400 425 450 475 500	0.025 0.050 0.094 0.170 0.293 0.486 0.781 1.219 1.855 2.759 4.023	45 250 300 325 350 375 400 425 475 500	0.05378 0.00093 0.00181 0.00572 0.00953 0.01532 0.02390 0.03628 0.07804 0.11110		N O T P E R T I N E Z T