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Material Safety Data Sheet

Captan MSDS

Section 1: Chemical Product and Company Identification

Product Name: Captan

Catalog Codes: Not available.

CAS#: 133-06-2

RTECS: Not available.

TSCA: TSCA 8(b) inventory: No products were found.

CI#: Not available.

Synonym: DHANUTAN;CAPTAF

Chemical Name: Captan

Chemical Formula: C₉H₈Cl₃NO₂S

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Captan	133-06-2	100

Toxicological Data on Ingredients:

Sodium Valproate LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

HEALTH HAZARDS: DANGER.

Corrosive. Causes irreversible eye damage if not treated promptly. Harmful if swallowed.

PHYSICAL HAZARDS:

Can decompose at high temperatures forming toxic gases.

ENVIRONMENTAL HAZARDS:

Highly toxic to fish.

Section 4: First Aid Measures

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED:

Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

Section 5: Fire and Explosion Data

FLASHPOINT: Will not flash.

EXTINGUISHING MEDIA:

Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

FIRE AND EXPLOSION HAZARD:

Can burn in fire, releasing irritating and toxic gases such as hydrogen chloride, hydrogen cyanide, oxides of nitrogen, carbon monoxide. Dust could potentially form explosive mixture in air. Avoid dust formation.

FIRE FIGHTING INSTRUCTIONS:

Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Dike and collect water used to fight fire to prevent environmental damage due to run off.

FIRE FIGHTING EQUIPMENT:

Self-contained breathing apparatus with full facepiece.

Section 6: Accidental Release Measures

SMALL SPILL:

Vacuum or sweep up material and place in a container for reuse or disposal.

LARGE SPILL:

Avoid creating dust cloud. Vacuum or sweep up material and place in a container for reuse or disposal. Reduce airborne dust and prevent scattering by moistening with water. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush contaminated area thoroughly with water.

Section 7: Handling and Storage

HANDLING:

Use only in a well-ventilated area. Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate.

STORAGE:

Keep pesticide in original container. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool, dry place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Local mechanical exhaust ventilation may be required. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Appearance: Off-white powder

Odor: Faint odor

pH: 7.2 – 8.2

Melting Point: Not applicable

Boiling Point: Not applicable

Flash Point: Will not flash

Evaporation Rate: No data

Flammability: Not flammable

Flammability Limits: Not applicable

Vapor Pressure: No data
Vapor Density: Not applicable
Density: 0.21 – 0.26 g/ml (1.75 – 2.17 lb/gl)*
Solubility: No data
Partition Coefficient: No data
Auto-Ignition Temperature: No data
Decomposition Temperature: No data
Viscosity: Not applicable

Section 10: Stability and Reactivity Data

PRODUCT REACTIVITY: Non-reactive
CHEMICAL STABILITY: Stable, however may decompose if heated.
HAZARDOUS REACTION/POLYMERIZATION: Product will not undergo polymerization.
CONDITIONS TO AVOID: Avoid temperatures below 25°F or above 115°F
INCOMPATIBLE MATERIALS: Acidic and oxidizing materials
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and carbon

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Ingestion.
Toxicity to Animals: LD50: Not available. LC50: Not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Not available.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 9: Low toxicity pesticide

Identification: : Low toxicity solid, n.o.s.(Captan) UNNA: 3077/9099 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:

Connecticut carcinogen reporting list.: Sodium Valproate TSCA 8(b) inventory: No products were found.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications: Not available.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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