

## Material Safety Data Sheet

Revision Issued: 12/18/2009 Supercedes: 5/04/2005 First Issued: 4/14/1989

### Section I - Chemical Product And Company Identification

**Product Name: Hi-Chem HMP**

CAS Number: 128-04-1

HBCC MSDS No. CH01580



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### Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	Exposure Limits (TWAs) in Air		
		ACGIH TLV	OSHA PEL	STEL
Sodium Dimethyldithiocarbamate	128-04-1	N/A	N/A	N/A

### Section III - Hazard Identification

**Routes of Exposure:** Hi-Chem HMP can affect the body if it comes in contact with the eyes, skin and is ingested, or inhaled.

**Summary of Acute Health Hazards:**

**Ingestion:** Harmful if swallowed. May cause nausea and vomiting.

**Inhalation:** Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation or burns of the mucous membranes.

**Skin:** May cause irritation to the skin. Possible burns on prolonged contact.

**Eyes:** May cause irritation to the eyes. Discomfort and blurring vision may occur.

**Summary of Chronic Health Hazards:** N/A

**Signs and Symptoms of Exposure:** N/A

**Effects of Overexposure:** N/A

**Medical Conditions Generally Aggravated by Exposure:** N/A

**Note to Physicians:** N/A

### Section IV - First Aid Measures

**Ingestion:** If person is conscious, give 2-4 cupfuls of water to dilute. Do NOT induce vomiting. Get medical attention immediately.

**Inhalation:** Move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention immediately.

**Skin:** Wash with soap and water. See physician if irritation occurs. Remove any contaminated clothing and wash.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

### Section V - Fire Fighting Measures

**Flash Point (PMCC):** > 201.0°F (93.9°C) **Autoignition Temperature:** N/A

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

**Unusual Fire and Explosion Hazards:** May form flammable by-products on contact with strong acids and/or extreme heat. Product is not flammable as supplied. Do not depend on ambient air for breathing air supply during fires. Fire may result in release of toxic gases such as oxides of carbon, nitrogen, and sulfur.

**Extinguishing Media:** Product is non-flammable as supplied. Use water, foam, carbon dioxide or dry chemical to extinguish fire.

**Special Firefighting Procedures:** Wear self-contained breathing apparatus, positive pressure demand MSHA/NIOSH (approved or equivalent), and full protective gear while extinguishing fire.

#### Section VI - Accidental Release Measures

Dam dike spills for recovery with absorbent material. Dispose of as below. The floor may be slippery. Use caution to avoid falls. Contain liquid to prevent further contamination to soil, surface water or groundwater. For large spills, avoid runoff into storm sewers and ditches that lead to waterways.

#### Section VII - Handling and Storage

Rubber gloves and safety glasses or goggles required. Body protective clothing and shoes are recommended. Eye-wash fountains in the work area are recommended. Avoid breathing mists. Provide appropriate ventilation.

#### Section VIII - Exposure Controls/Personal Protection

**Respiratory Protection:** None required if good ventilation is maintained.

Otherwise, use NIOSH approved air purifying respirator.

**Ventilation:** General mechanical ventilation may be sufficient to keep product vapor concentrations down.

**Protective Clothing:** Body protective clothing and shoes are recommended. Wear protective gloves to minimize skin contamination.

**Eye Protection:** Safety glasses or goggles required.

**Other Protective Clothing or Equipment:** Eye wash and safety shower should be provided in work area.

**Work/Hygienic Practices:** Wash hands thoroughly with soap and water before eating, smoking, and using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

#### Section IX - Physical and Chemical Properties

**Physical State:** Liquid

**pH:** 11.5 – 13

**Melting Point/Range:** N/A

**Boiling Point/Range:** 212°F

**Appearance/Color/Odor:** Amber solution with slight sulfide odor.

**Solubility in Water:** Complete

**Vapor Pressure(mmHg):** 13 @ 68°F

**Specific Gravity(Water=1):** 1.18 @ 25°C (77°F)

**Molecular Weight:** 143.21

**Vapor Density(Air=1):** 1.17-1.19

**% Volatiles:** 60 (water)

**How to detect this compound:** N/A

**Freezing Point:** 32°F; 0°C

**Evaporation Rate (Butyl Acetate=1):** < 1

**Viscosity:** 23 cps @ 72°F

**Density:** 9.83 Lbs./Gallon

## Section X - Stability and Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Acidification releases flammable gases.

**Materials to Avoid:** Strong acids, mineral acids, and oxidizing agents.

**Hazardous Decomposition Products:** Hydrogen sulfide may be produced if heated to high temperatures. Carbon disulfide may be produced on contact with strong acids. Dimethylnitrosamines may be produced on contact with a combination of strong acids and nitrosating compounds. A-Thermal decomposition may release gases such as amines and carbon disulfide. B-Composition of dry film may release oxides of carbon, nitrogen, and sulfur. May release gases such as amines, hydrogen sulfide and carbon disulfide.

## Section XI - Toxicological Information

This product is toxic to fish.

## Section XII - Ecological Information

N/A

## Section XIII - Disposal Considerations

Dispose of in accordance with applicable local, county, state and federal regulations.

## Section XIV - Transport Information

**DOT Proper Shipping Name:** N/A

**DOT Hazard Class/ I.D. No.:** N/A

## Section XV - Regulatory Information

### WARNING

**This product contains Sodium Dimethyldithiocarbamate, a chemical known to the State of California to cause cancer.**

Uniform Fire Code Rating: Class IIIB Combustible Liquid

**Reportable Quantity:** N/A

**NFPA Rating:** Health - 2; Flammability - 1; Instability - 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Carcinogenicity Lists:** No **NTP:** No **IARC Monograph:** No **OSHA Regulated:** No

**Section 313 Supplier Notification:** This product contains the following toxic chemical(s) subject to the reporting requirements of SARA TITLE III Section 313 of the Emergency Planning and Community Right-To Know Act of 1986 and of 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>% By Weight</u>
128-04-1	Sodium Dimethyldithiocarbamate	40%

## Section XVI - Other Information

**Synonyms/Common Names:** Hi-Chem HMP

**Chemical Family/Type:** Sodium Dimethyldithiocarbamate

**Section(s) Changed Since Last Revision:** IV, V, VIII, IX, XV

**IMPORTANT!** Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on

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