



# Safety Data Sheet

## 1. Product Identifier and Company Identification

<b>Product name</b>	: <b>Hi-Chem HMP</b>	
<b>HBCC SDS number</b>	: CH01580	
<b>Synonym</b>	: N/A	
<b>Product use and Restrictions</b>	: Refer to label or call	
<b>Manufacturer</b>	: Corporate Headquarters	Corporate Safety & Compliance
<b>Contact Address</b>	Hill Brothers Chemical Company 1675 North Main Street Orange, California 92867 714-998-8800 800-821-7234	Hill Brothers Chemical Company 7121 West Bell Road, Suite 250 Glendale, Arizona 85308 623-535-9955 - Office 623-535-9944 – Fax
<b>Emergency telephone Number (Chemtrec)</b>	: 800-424-9300	
<b>Website</b>	: <a href="http://hillbrothers.com">http://hillbrothers.com</a>	

## 2. Hazard Identification

<b>Classification</b>	: Acute Toxicity; Oral: Category 5 Acute Toxicity; Inhalation: Category 4 Skin Corrosion/Irritation: Category 1 Serious Eye Damage/Eye Irritation: Category 1 Carcinogenicity: Category 2 Hazardous to the Aquatic Environment (Acute): Category 1
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**Signal Word** : Danger

**Pictogram(s)** :



<b>Hazard Statements</b>	: H303: May be harmful if swallowed. H332: Harmful if inhaled. H314: Causes severe skin burns and eye damage. H351: Suspected of causing cancer. H400: Very toxic to aquatic life.
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### Precautionary Statements

<b>Response</b>	: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P312: Call a POISON CENTER or doctor if you feel unwell. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor.
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P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363: Wash contaminated clothing before reuse.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER or doctor.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.

**Prevention** : P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P260: Do not breathe fumes, gas, mist, vapors, or spray.  
 P264: Wash hands thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves, protective clothing, and eye and face protection.  
 P391: Collect spillage.

**Storage** : P405: Store locked up.

**Disposal** : P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
128-04-1	Sodium Dimethyldithiocarbamate	<40%
7732-18-5	Water	>60%

### 4. First Aid Measures

#### Summary of 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.

**Medical Conditions** : N/A

**Effects of Overexposure** : N/A

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

**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.

**Note to Physicians** : N/A

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

## 5. Fire Fighting Measures

**Extinguishing** : Use water, foam, carbon dioxide or dry chemical to extinguish fire.

**Special Exposure Hazards** : Product is non-flammable as supplied. 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.

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

**Fire Fighting Procedures** : N/A

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



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

**Uniform Fire Code Rating** : Class IIIB Combustible Liquid

## 6. Accidental Release Measures

- Personal Precautions** : The floor may be slippery. Use caution to avoid falls.
- Emergency Procedures** : N/A
- Methods of Containment And Clean-Up** : Dam dike spills for recovery with absorbent material. Dispose of as below. 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.

## 7. Handling and Storage

- Safe Handling** : 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.
- Storage** : Containers should be stored in a cool, dry, well ventilated area. Exercise due caution to prevent damage to or leakage from container. Avoid contact with ignition sources and incompatibles. Keep containers closed when not in use.
- 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.
- Ventilation** : General mechanical ventilation may be sufficient to keep product vapor concentrations down.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits** :

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

- Protective Equipment** : Body protective clothing and shoes are recommended. Wear protective gloves to minimize skin contamination.
- Eye Protection** : Safety glasses or goggles required.
- Respiratory** : None required if good ventilation is maintained. Otherwise, use NIOSH approved air purifying respirator.

## 9. Physical and Chemical Properties

<b>Appearance:</b> Yellow Green Liquid	<b>Odor:</b> Amine-like
<b>Odor Threshold:</b> N/A	<b>pH:</b> 11.5 – 13 (1% solution)
<b>Melting Point/Freezing Point:</b> N/A	<b>Initial Boiling Point/Range:</b> >212° F
<b>Flash Point (PMCC):</b> N/A	<b>Evaporation Rate (BuAc=1):</b> < 1
<b>Flammability:</b> N/A	<b>Lower/Upper Explosive Limit:</b> N/A
<b>Vapor Pressure (mmHg):</b> N/A	<b>Vapor Density (Air=1):</b> N/A
<b>Molecular Weight:</b> N/A	<b>Solubility in Water:</b> Complete
<b>Decomposition Temperature:</b> N/A	<b>Density at 25° C (77° F):</b> 9.75 lb/gal
<b>% Volatiles:</b> N/A	<b>VOC:</b> N/A

## 10. Stability and Reactivity

<b>Reactivity</b>	: N/A
<b>Chemical Stability</b>	: Stable
<b>Possibility of Hazardous Reactions or Polymerizations</b>	: Hazardous Polymerization will not occur
<b>Conditions to Avoid</b>	: Acidification releases flammable gases.
<b>Incompatible Materials</b>	: Strong acids, mineral acids, and oxidizing agents.
<b>Hazardous Decomposition Products</b>	: 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.

## 11. Toxicological Information

**Acute and Chronic Effects** : N/A

### Routes of Exposure

<b>Inhalation</b>	: Yes
<b>Ingestion</b>	: Yes
<b>Skin</b>	: Yes
<b>Eyes</b>	: Yes

Symptoms related to Physical, Chemical & Toxicological Characteristics : N/A

Numerical Measures of Toxicity : N/A

Chronic Toxicity : N/A

Carcinogenicity : Prop. 65: Chemicals known to the state of California to cause cancer or reproductive toxicity: Sodium diethylocarbamate (CAS 128-04-1)

Product Name: Sodium Dimethyldithiocarbamate					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
No	No	No	No	No	No

TARGET ORGANS : N/A

## 12. Ecological Information

This product is toxic to fish.

Ecotoxicity : N/A

Persistence and Degradability : N/A

Bioaccumulative Potential : N/A

Product/Ingredient	Log <sub>Pow</sub>	BCF	Potential
-	-	-	-

Mobility in Soil : N/A

## 13. Disposal Considerations

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

## 14. Transport Information

This product is not regulated under DOT as a hazardous material, substance or dangerous good.

## 15. Regulatory Information

SARA 302 Extremely Hazardous Substances (EHS) : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

SARA 304 Extremely Hazardous Substances : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released to the

**(EHS) Release Notification** : environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

**SARA 311/312 Hazards** :

SARA 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
Yes	No	No	No	No

**SARA 313 Reportable Chemicals** : This product contains the following chemical(s) subject to annual emissions, transfers, and/or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxic Release Inventory (TRI) Report or Form R:  
Sodium dimethyldithiocarbamate, CAS #128-04-1

**CERCLA Hazardous Substances** : No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

**Clean Air Act (CAA) Section 112(r) Air Pollutants** : No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r) (40 CFR 61).

**California Prop 65 Chemicals** : **WARNING:** This product contains the following chemical(s) listed under California Proposition 65, which are chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
Sodium dimethyldithiocarbamate, CAS #128-04-1 (developmental toxicity).

**Hazard Label Warning** : This product does not require hazard label warnings.

**TSCA (Toxic Substances Control Act)** : All chemical substances in this product are listed on the U.S. TSCA Inventory List.

**ACRONYMS:**

- CAS # – Chemical Abstract Services Registry Number
- CFR – Code of Federal Regulations
- CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
- EPCRA – Emergency Planning and Community Right-to-Know Act
- LEPC – Local Emergency Planning Committee
- SERC – State Emergency Response Commission

**16. Other Information**

**Revision date** : 05/18/2015  
**Supersedes** : 12/18/2009  
**First Issue** : 04/14/1989

**Chemical Family/Type** : Sodium Dimethyldithiocarbamate

**Section(s) changed since last revision** : MSDS to First Issue SDS Conversion

**IMPORTANT!** Read this SDS 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 SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.