

Material Safety Data Sheet

SPE Chemicals Co.,Ltd

ADD: 1615 Room ,No 345 Jinxiangroad ,Pudong ,Shanghai,China 201206

Tel: +86 21 5138631

Section I - Chemical Product And Company Identification

Manufacturer Name: SPE Chemicals Co., Ltd

General Phone Number: +86-21 51386314

Section II - Composition/Information On Ingredients

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

Section III - Hazard Identification

Routes of Exposure: 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 water to dilute. 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 pressure demand MSHA/NIOSH (approved or equivalent) 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, wear self-contained breathing apparatus. (Pressure Demand, MSHA/NIOSH approved or equivalent).

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.

Section IX - Physical and Chemical Properties

Physical State: Liquid

pH: 11.5 – 12.4

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.

Reportable Quantity: N/A

NFPA Rating: Health - 2; Fire - 1; Reactivity - 0

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

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

Section XVI - Other Information

Chemical Family/Type: Sodium Dimethyldithiocarbamate

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 sources believed to be reliable.

However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **SPE 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. Also, 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 prior to use, and then to exercise appropriate precautions for protection of employees and others.