



MERCHEM LIMITED

SAFETY DATA SHEET
MSDS NO:34

MERCURE DTDC

1. IDENTIFICATION OF THE COMPOUND OR PREPARATION AND COMPANY/UNDERTAKING

Product Name: MERCURE DTDC

Supplier Merchem Limited, 2nd Floor, Malankara Centre,
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Merchem Limited, Cochin, India

Intended Use Rubber Accelerator.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Dithiodicaprolactam,
N,N'-Dicaprolactamdisulphide

Composition

Name	% by weight
Dithiodicaprolactam	Min: 96
Molecular Formula	C₁₂H₂₀N₂O₂S₂
Formula weight	288

3. HAZARD IDENTIFICATION

HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG- TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.



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4. FIRST AID AND MEASURES

General advice: Remove contaminated clothing

Inhalation:

Remove to fresh air. Get medical attention immediately.

Ingestion:

If swallowed, give large quantities of water. Get medical attention immediately.

Skin Contact:

Flush skin thoroughly with plenty of soap and water Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush affected eyes with plenty of water lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Fire:
Autoignition temperature: not available

Fire Extinguishing Media:

Dry chemical, alcohol foam or carbon dioxide. Water may be used to flush spills away from exposures.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions: Do not empty into drains

Methods of cleaning up: Pick up with suitable absorbent material (sand, sawdust, general purpose binder). Dispose off absorbed material in accordance with regulations.

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7. HANDLING AND STORAGE

Handling: Ensure thorough ventilation of stores, and work areas. Protect against moisture.

Storage: Keep in a cool, well-ventilated place. Protect against moisture.

Storage stability: 6 months

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Wear respiratory protection if ventilation is inadequate.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cream colored solid

Odor: Characteristic sulphur compound odor.

Solubility: Not Miscible with water.

Specific Gravity: 0.6 gm/cc at 28 C

pH: Neutral for 25% suspension

Melting Point: 120to 140 C



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10. STABILITY AND REACTIVITY

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, sulphur dioxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong acids, and oxidizing agents. Corrosive to metals.

Conditions to Avoid:

Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

Not Available

12. ECOLOGICAL INFORMATION

Environmental Fate:

When released into the soil, this material may biodegrade to a moderate extent.

When released into the soil, this material is expected to leach into groundwater.

When released into water, this material is expected to biodegrade. When released into water, this material may decompose to moderate extent. This material is not expected to bioaccumulate.

Environmental Toxicity:

No information found.



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13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

14. TRANSPORT INFORMATION

N/P

15. REGULATORY INFORMATION

N/P

16. OTHER INFORMATION

N/P

Use : Viscosity Regulator for elastomers, peptising agent.

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