



SAFETY DATA SHEET

50% ZDEC DISPERSION

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: 50% ZDEC DISPERSION

Product code: fZDC//50

Use / description of product: Zinc diethyl dithiocarbamate in an aqueous base. Accelerator for natural rubber.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: DITHIOCARBAMATE 2 30-60%

[Xn] R22; [Xi] R36/37/38; [Sens.] R43; [N] R50/53;

3. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: No symptoms.

Eye contact: There may be irritation and redness.

Ingestion: Unlikely to be harmful by ingestion.

Inhalation: It is unlikely that this substance will be inhaled, unless through aspiration, due to its physical properties.

4. FIRST AID MEASURES (ACTION)

Skin contact: If a person feels unwell after coming into contact with this dispersion then seek medical advice.

Eye contact: Irrigate with plenty of water. Seek medical advice

Ingestion: Wash out mouth with water and give 200-300ml warm water to drink. Seek medical attention immediately. Do not induce vomiting. Alcohol intolerance (Antabuse syndrome) may result from adsorption.

Inhalation: Remove patient to fresh air. Treat symptomatically and seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Carbon dioxide. Dry chemical powder. Foam Do not use water jet

Exposure hazards: Residue will emit toxic fumes of Hydrocyanic acid, S, N and C oxides in a fire

Protection of fire-fighters: Respiratory Protective Equipment (RPE) must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

[cont...]

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Environmental precautions: Prevent contamination of drains/watercourses/vegetation. Advise police.

Clean-up procedures: Adsorb onto sand/earth/similar adsorbent material. Once clear, wash the spillage area clean with water and detergent.

7. HANDLING AND STORAGE

Handling requirements: Avoid contact with skin/eyes. Do not inhale mists. Avoid ingestion.

Storage conditions: Store in closed containers, well protected from frost. Stir well before use.

Suitable packaging: Most packagaing suitable, avoid mild-steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Wear suitable respiratory protective equipment to prevent overexposure to mist.

Hand protection: Water repellant barrier cream Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Wear suitable protective clothing. Water-repellent barrier cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Flowable aqueous dispersion.

Colour: White

Odour: Ammoniacal

Viscosity: 200 - 1000 cps.

Oxidising: No data

Evaporation rate: No data

Solubility in water: Miscible

Also soluble in: No data.

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: No data

upper: No data

Flash point°C: No data

Part.coeff. n-octanol/water: No data

Autoflammability°C: No data

Vapour pressure: No data

Relative density: 1.15 to 1.25

pH: 8.50 to 11.00

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Extremes of temperature. Protect from frost.

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

Haz. decomp. products: May form nitrosamines, nitrosating agents. Traces of carcinogenic N-Nitrosdiethyl may be formed in the vulcanisation process

11. TOXICOLOGICAL INFORMATION

Effects of exposure Harmful if swallowed. Irritant to the eyes and skin May cause sensitisation by skin contact.

Routes of exposure Repeated or prolonged contact may cause skin irritation/allergy.

12. ECOLOGICAL INFORMATION

Mobility: Miscible with water.

Persistence and degradability: No data.

Bioaccumulative potential: No data.

Other adverse effects: No data.

13. DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with the local or national legislation. Mix or dissolve with a combustible material and burn in a chemical incinerator equipped with afterburners and scrubbers.

Disposal of packaging Incinerate residues only in officially approved incinerator. Dispose of empty containers only on dumps designated for special waste or at an incineration plant for industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Harmful.
Dangerous for the environment.



Risk phrases: R22: Harmful if swallowed.
R36/37/38: Irritating to eyes, respiratory system and skin.
R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24/25: Avoid contact with skin and eyes.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16. ADDITIONAL INFORMATION

Additional information: For use as a vulcanisation accelerator for rubber latices.

Risk phrases used in s.2: R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.