



## SAFETY DATA SHEET

50% TMTD DISPERSION

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Issued: 20/10/08

Revision No: 3

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

**Product name:** 50% TMTD DISPERSION

**Product code:** fTMTD/50

**Use of substance / preparation:** For use as an accelerator in the vulcanisation of rubber latex

**Company name:** Aquaspersions Ltd

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. May cause sensitisation by skin contact. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** TETRAMETHYLTHIURAM DISULPHIDE 30-50%  
[Xn] R20/22; [Xi] R37/38; [Sens.] R43; [Xn] R48/22; [N] R50/53

- AMMONIA SOLUTION <1%  
[C] R34; [N] R50

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Harmful by ingestion. Please read the label and Material Safety Data Sheet.

**Inhalation:** If this dispersion is strongly heated it may release acidic fumes which are corrosive to the respiratory tract

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Alcohol intolerance (Antabuse syndrome) may result from adsorption.

**Inhalation:** Remove patient to fresh air. Treat symptomatically and seek medical advice. In the unlikely

[cont...]

event that this substance is inhaled (e.g. aspiration) then treat symptomatically and seek medical advice.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water jet

**Exposure hazards:** Thermal decomposition or burning may release oxides of carbon, phosphorous and other toxic gases or vapours. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for exting

**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.

**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. Shovel up into drums or suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. 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:** Protective gloves.

**Eye protection:** Safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Water-repellent barrier cream. Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Off-white

**Odour:** Barely perceptible odour

**Solubility in water:** Miscible

**Viscosity:** 300 - 1200 cps

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Relative density:** 1.10 - 1.20

**pH:** 8.50 - 11.00

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**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Protect from frost and temperatures over 100oC.

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

**Materials to avoid:** Strong acids. Strong bases. Oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION**

**Chronic toxicity:** Eyes skin, mouth and nose

**Routes of exposure:** May cause sensitisation by skin contact. Harmful if swallowed. Slight irritant to eyes and skin.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Miscible with water.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**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**

**UN no:** 3082

**ADR Class:** 9

**Packing group:** III

**Classification code:** M6

**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(TETRAMETHYLTHIURAM DISULPHIDE)

**Labelling:** 9

**Hazard ID no:** 90

**IMDG / IMO**

**UN no:** 3082

**Class:** 9

**Packing group:** III

**EmS:** F-A,S-F

**Marine pollutant:** .

Labelling: 9

**IATA / ICAO**

UN no: 3082

Class: 9

Packing group: III

Packing instructions: 914

Labelling: 9

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.

Dangerous for the environment.



**Risk phrases:** R20/22: Harmful by inhalation and if swallowed.

R37/38: Irritating to respiratory system and skin.

R43: May cause sensitisation by skin contact.

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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

**Safety phrases:** S24: Avoid contact with skin.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Haz. ingredients (label):** TETRAMETHYLTHIURAM DISULPHIDE

**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.

**16. OTHER INFORMATION**

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

**Risk phrases used in s.3:** R20/22: Harmful by inhalation and if swallowed.

R37/38: Irritating to respiratory system and skin.

R43: May cause sensitisation by skin contact.

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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

R34: Causes burns.

R50: Very toxic to aquatic organisms.

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**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.

