SAFETY DATA SHEET

HARDNESS TITRANT

Issued: 13/12/00 Revision No: 1

Danum Laboratory Services

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

Product name: HARDNESS TITRANT

Product code: TC2008

Synonyms: HARDNESS TITRANT CODE NRR372

Use / description of product: No significant hazard. Liquid.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: RAW ETHYLENE DIAMINE TETRA ACETIC ACID DI SODIUM SALT <10%

3. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: No symptoms.Eye contact: No symptoms.Ingestion: No symptoms.Inhalation: No symptoms.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash off thoroughly with soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: wash out mouth with water

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Carbon dioxide. Vapourising Liquids. Dry chemical powder. Foam

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not allow large quantities to enter local drainage systems

Clean-up procedures: Wash down the drain with large amounts of water. Wash the spillage site with large

amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection: Protective gloves.

Eye protection: Safety goggles. Face-shield.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless
Odour: Odourless
Viscosity: Non-viscous

Oxidising: Non-oxidising (by EC criteria)

Evaporation rate: Slow

Solubility in water: Miscible in all proportions

pH: 4-5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste disposal: Flush liquors to drain, local regulations permitting, or send to a waste water treatment

plant.

Disposal of packaging Dispose of as normal 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: : none

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: No significant hazard.

Safety phrases: S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

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

[cont...]

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provisions.

16. ADDITIONAL INFORMATION

Additional information: The information contained within this MSDS is based on bulk quantities. The user

should bear in mind the reduced hazard associated with the small quantities normally

associated with test kit reagents, and adjust their responses accordingly.

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. This company shall not be held liable for any damage

resulting from handling or from contact with the above product.