

SAFETY DATA SHEET
HR ALKALINITY TITRANT

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Revision No: 1

Danum Laboratory Services
2 Duncroft Grove
Rossington
Doncaster DN11 0UL
Tel: 01302 864668
Fax: 01302 860880

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

Product name: HR ALKALINITY TITRANT

Product code: TC2033

Use / description of product: Irritant. Liquid. Please note the small quantity - and refer to additional information on the last page of this MSDS

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: SULPHURIC ACID <10%

CAS: 7664-93-9

EINECS: 231-639-5

[C] R35;

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

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

Ingestion: Irrigate thoroughly for at least 10 minutes. If discomfort persists OBTAIN MEDICAL ATTENTION.

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

5. FIRE-FIGHTING MEASURES

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

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Moderate fire and explosion hazard when exposed to heat or flame.

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

[cont...]

7. HANDLING AND STORAGE**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**Solubility in water:** Miscible in all proportions**pH:** 1-2**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat.**Materials to avoid:** Bases.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Ingredient 1:** SULPHURIC ACID...100%

ORL RAT LD50 2140mg/kg

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS****Waste disposal:** Dispose of as normal industrial waste.**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:** 2796**ADR Class:** 8**Hazard ID no:** 80**Labelling:** 8**Shipping name:** BATTERY FLUID, ACID**IMDG / IMO****UN no:** 2796**Class:** 8**Packing group:** II**EmS:** 8-06**Marine pollutant:** NO**Labelling:** 8

SAFETY DATA SHEET
HR ALKALINITY TITRANT**IATA / ICAO**

UN no: 2796
Class: 8
Packing group: II
Packing instructions: 813
Quantity: 30 L
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36/38: Irritating to eyes and skin.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

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. 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.

Risk phrases used in s.2: R35: Causes severe burns.

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.