

SAFETY DATA SHEET

SDT188 - ALK2 - 25% Barium chloride

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name: ALK2 - 25% Barium chloride
Product code: SDT188
Use: Analytical reagent
Company: droptestkits.com Limited
The New Dairy, Lamport Manor,
Northampton, NN6 9HF
Tel: 01604 686 995 Fax: 01604 686 997
Email: info@droptestkits.com

Emergency Tel: 07724 668 569

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS: 10361-37-2 Barium chloride 25% (R20, R25)

3. HARDARDS IDENTIFICATION

Main hazard: Harmful if swallowed. Irritating to eyes, respiratory system and skin.
Other hazards: Harmful to aquatic organisms

4. FIRST AID MEASURES

Skin contact: Possible mild irritation.
Wash affected skin with running water for ten minutes. If soreness persists consult a doctor.
Eye contact: May cause irritation and redness.
Bathe eye with running water for 15 minutes. Seek medical advice.
Ingestion: There may be soreness and redness of the mouth and throat.
If conscious, give half a litre of water to drink immediately. Seek medical advice.
Inhalation: May irritate throat and cause tightness of the chest.
Remove casualty to fresh air.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, carbon dioxide, dry chemical powder.
Exposure hazard: In combustion emits toxic fumes.
Protection: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective gloves and safety glasses.
Environmental precautions: Do not allow large quantities to enter drainage system.
Clean-up procedure: Small quantities can be disposed of via a foul drain. Use a licensed contractor for larger quantities.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the reagent.
Storage conditions: Keep the container tightly closed. Keep away from direct sunlight.
Suitable packaging: Keep reagent in original packaging.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures: Ensure sufficient ventilation.
Respiratory protection: WEL (8 hr exposure limit): 0.5 mg/m³
Hand protection: Wear protective gloves (eg latex or vinyl).
Eye protection: Wear safety glasses.
Skin protection: Wear a suitable laboratory coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid	Colour:	Colourless.
Odour:	Odourless	Evaporation rate:	Slow.
Oxidising:	Non-oxidising.	Solubility in water:	Miscible in all proportions.
Viscosity:	Non-viscous	pH:	7

Safety data sheet (continued) - SDT188 - ALK2 - 25% Barium chloride

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat.
Materials to avoid:
Decomposition products: When heated to decomposition acrid smoke and irritating fumes will be emitted.

11. TOXICOLOGICAL INFORMATION

Hazardous component 1: Barium chloride
Hazardous component 2:
Note:

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water. Non-volatile.
Persistence/Biodegradability: Partially biodegradable
Bioaccumulation potential: Slightly bioaccumuable.
Other adverse effects: Harmful to aquatic organisms. Harmful to soil organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Small amounts can be disposed of to foul drain.
Disposal of packaging: Dispose as normal industrial waste.
Notes: Consider local and national disposal regulations.

14. TRANSPORT INFORMATION

ADR / RID

Proper shipping name:	Not classified as dangerous for transport				
UN No.	N/A	Label 1:			
ADR Class:	N/A	Label 2:			
Packing group:	N/A	Hazard ID No.:	N/A	—	—
Classification code:	N/A				

INDG / IMO

UN No.	N/A	Class:	N/A
Packing group:	N/A	EmS:	N/A
Marine pollutant:	No	Labeling:	N/A

IATA / ICAO

UN No.	N/A	Class:	N/A
Packing group:	N/A	Labeling:	N/A
Packing instructions:	None		

15. REGULATORY INFORMATION



Risk phrases

R22 Harmful if swallowed
R36/37/38 Irritating to eyes, respiratory system and skin
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S27 Take off immediately all contaminated clothing
S36/37/39 Wear suitable protective clothing gloves and eye/face protection
S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheet

16. OTHER INFORMATION

The above information is based on current knowledge at the time of publication and is given in good faith.

No warranty is implied as to the suitability of the product for any purpose other than chemical analysis.

The information contained in this MSDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this MSDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded.