

1. Identification

Product Code **CZ4004-52**

Product Name **ZINC BROMIDE L.R**

Molecular Formula ZnBr_2 =225.19

CAS Number 7699-45-8

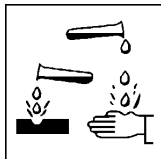
Supplier:  **BEECROFT & PARTNERS**
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Rotherham
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Phone 01709-377881
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(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
ZINC BROMIDE L.R	7699-45-8	231-718-4	100.0%	C : R34,R20,R36/37/38	N/A

3. Hazards Identification

Causes burns. Harmful by inhalation. Irritating to eyes, respiratory system and skin.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. If breathing stops or shows signs of failing, apply artificial resuscitation. If there is difficulty in breathing give oxygen if available.

Ingestion Wash out the patients mouth thoroughly with water. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards May evolve toxic fumes if involved in a fire. Fire-fighters should wear protective clothing and breathing apparatus.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Use approved personal protective equipment.

Enviromental Keep material out of sewers, storm drains, surface waters and soil.

6. Accidental Release Measures (continued)

Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Shovel/sweep up into container for removal

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Well ventilated, cool, dry storage . Ensure storage conditions are very dry as material has a very high tendency to cake.

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical full face shield.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	White crystalline powder or granules.
Odour	No specific odour.
pH	Not available
Boiling point	697.0 °C
Melting point	394.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	Not available
Water Solubility	Moderately soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	Sodium and potassium.
Hazardous Decomposition Products	May decompose to emit toxic and irritant fumes of hydrogen bromide.

11. Toxicological Information

Eyes	Contact with the solid or dust will be extremely irritating to eyes and can cause chemical eye burns.
Skin	Contact with the solid or dust will cause burns. Contact with the solid or dust may be absorbed across the skin in harmful amounts.
LD50 Skin	Not available
Ingest	Ingestion of large amounts may cause violent abdominal pain and vomiting.

11. Toxicological Information (continued)

LD50 Ingest	Not available
Inhalation	Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract. Prolonged exposure to dust or fume concentrations above the occupational exposure limits may cause breathing problems, leading to bronchitis, pulmonary oedema and eventually unconsciousness.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

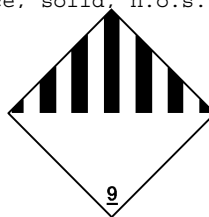
Toxic to aquatic species and may cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Disposal Methods	Never dispose of into water courses or sewerage systems. Dispose of to a licensed land fill site.
Contaminated Packaging	Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
UN Number	3077
UN Classification	9 Miscellaneous
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Marine pollutant	Yes
ADR Hazard ID	90

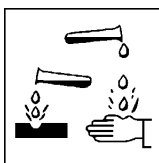


15. Regulatory Information

Labelling	Corrosive.
Classification	

Label Symbols

C



Risk & safety Phrases	Causes burns. Harmful by inhalation. Irritating to eyes, respiratory system and skin. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label).
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EEC Number	231-718-4
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16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 20/11/03. Data reviewed and PDF file generated: 07/06/04. Copyright 2004 Beecroft & Partners.
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