



Infosafe No™	1CH67	Issue Date : July 2014	RE-ISSUED by CHEMSUPP
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Product Name : **SODIUM BROMIDE**

Not classified as hazardous

1. Identification

GHS Product Identifier	SODIUM BROMIDE		
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)		
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia		
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001		
Recommended use of the chemical and restrictions on use	Photography, medicine (sedative), preparation of bromides, organic chemicals and laboratory reagent.		
Other Names	Name	Product Code	
	SODIUM BROMIDE AR	SA084	
	SODIUM BROMIDE LR	SL084	
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.		

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia.
	Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

3. Composition/information on ingredients

Chemical Characterization	Solid				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Sodium bromide	7647-15-6	100 %		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.
Skin	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically.
Other Information	Ensure medical personnel attending are aware of the identity and nature of the product(s) involved and take precautions to protect themselves. For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	May liberate toxic fumes in fire such as hydrogen bromide.
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Specific Methods Use extinguishing media most appropriate for the surrounding fire.
Small fire: Use dry chemical, CO₂, water spray or foam.
Large fire: Use water spray, fog or foam.
If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

Specific hazards arising from the chemical Material does not burn. Fire or heat will produce toxic gases. Runoff may pollute waterways.

Decomposition Temp. > 750 °C

Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Spills & Disposal Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.

Personal Precautions Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Personal Protection Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods - Small Spillages Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Avoid generation or accumulation of dusts. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities Store in a cool, dry place. Keep containers closed at all times. Store away from acids. Keep container dry. Keep away from light.

8. Exposure controls/personal protection

Other Exposure Information A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m³ for dusts or mists when limits have not otherwise been established.

Appropriate engineering controls In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

Respiratory Protection Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

Eye Protection The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336

Hand Protection Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
Recommendation: Rubber or plastic gloves.

Personal Protective Equipment Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Body Protection Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hygiene Measures Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form Solid



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Appearance	White crystalline powder or granules.
Odour	Odourless.
Decomposition Temperature	> 750 °C
Melting Point	755 °C
Boiling Point	1390 - 1393 °C
Solubility in Water	905 g/l (20 °C)
Solubility in Organic Solvents	Moderately soluble in alcohol. Insoluble in other organic solvents.
Specific Gravity	3.208
pH	~ 5.4 (50 g/l, H ₂ O, 20 °C)
Vapour Pressure	1 hPa (@ 806 °C)
Flammability	Non combustible material.
Molecular Weight	102.89
Other Information	Taste: Saline and somewhat bitter taste.

10. Stability and reactivity

Chemical Stability	Stable under normal conditions. Hygroscopic (absorbs moisture from the air, becoming very hard). Sensitive to heating and light.
Conditions to Avoid	Exposure to moisture. Incompatibles.
Incompatible Materials	Strong acids, strong oxidizing agents, alkali metals, halogen-halogen compounds, bromine trifluoride, alkaloidal and heavy metal salts.
Hazardous Decomposition Products	Bromine fumes released over 800 °C; hydrogen bromide gas, sodium oxides.
Possibility of hazardous reactions	Will react violently with bromine trifluoride.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 3.5 g/kg.
Acute Toxicity - Dermal	LD50 (rabbit): > 2000 mg/kg
Ingestion	May be harmful if swallowed. Ingestion of material may cause nausea, vomiting and abdominal pain. May cause depression, sedation and confusion. Ingestion in large quantities increases the chance of bromide poisoning which may increase absorption and lead to CNS depression as well as eye and brain effects. Symptoms may include blurred vision and other eye effects, dizziness, skin rash, drowsiness, irritability, hallucinations and coma.
Inhalation	May be harmful if inhaled. Inhalation of dust may cause respiratory tract irritation with symptoms including coughing and shortness of breath.
Skin	May be harmful if absorbed through the skin. May cause skin rashes, irritation, redness and pain.
Eye	Contact may cause transient irritation, redness and pain. May lead to conjunctivitis and blurred vision.
Carcinogenicity	No evidence of carcinogenic properties.
Chronic Effects	Repeated or prolonged exposure by any route may cause bromism, visual disturbances, skin rashes (bromaderma). Repeated ingestion of small amounts may cause central nervous system depression, mental deterioration, depression, ataxia, psychoses, memory loss, irritability and headaches. May cause confusion, vomiting, spasms (coma) after ingestion of large amounts.
Serious eye damage/irritation	Eye (Rabbit) - slight eye irritation.
Mutagenicity	No evidence of mutagenic properties.
Skin corrosion/irritation	Skin (Rabbit) - no skin irritation.



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12. Ecological information

Persistence and degradability Methods for the determination of biodegradability are not applicable to inorganic substances.

Environmental Protection Do not allow material or runoff to enter surface water, groundwater or sewerage system.

Acute Toxicity - Fish LC50 (P. reticulata): 16000 mg/l/96 h.

Acute Toxicity - Daphnia EC50 (Daphnia magna): 5800 mg/l/48 h.

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information Listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule Not Scheduled

16. Other Information

Date of preparation or last revision of SDS July 2009

Literature References

'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013.

Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.

'Labelling of Hazardous Workplace Chemicals, Code of Practice' Safe Work Australia.

Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.

Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.

Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]'.

Worksafe Australia, 'Hazardous Substances Information System, 2005'.

Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Hazardous Substances (2011)'.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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Empirical Formula & Structural Formula NaBr

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