



Infosafe No™	1CH67	Issue Date : July 2019	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  
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**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**Recommended use of the chemical and restrictions on use** Photography, medicine (sedative), preparation of bromides, organic chemicals and laboratory reagent.

**Other Names**

<u>Name</u>	<u>Product Code</u>
SODIUM BROMIDE AR	SA084
SODIUM BROMIDE LR	SL084

**Other Information**

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** Solid**Characterization**

<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	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, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**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. If rapid recovery does not occur, obtain medical attention

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**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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<b>Specific Methods</b>	Use extinguishing media most appropriate for the surrounding fire. Small fire: Use dry chemical, CO <sub>2</sub> , 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.
<b>Specific hazards arising from the chemical</b>	Material does not burn. Fire or heat will produce toxic gases. Runoff may pollute waterways.
<b>Decomposition Temp.</b>	> 750 °C
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

<b>Spills &amp; Disposal</b>	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.
<b>Personal Precautions</b>	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	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.
<b>Conditions for safe storage, including any incompatibilities</b>	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**

<b>Other Exposure Information</b>	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m <sup>3</sup> . All atmospheric contamination should be kept to as low a level as is workable.
<b>Appropriate engineering controls</b>	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.
<b>Respiratory Protection</b>	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.
<b>Eye Protection</b>	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
<b>Hand Protection</b>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
<b>Personal Protective Equipment</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<b>Body Protection</b>	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.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.



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**9. Physical and chemical properties**

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

**10. Stability and reactivity**

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

**11. Toxicological Information**

<b>Acute Toxicity - Oral</b>	LD50 (rat): 3.5 g/kg.
<b>Acute Toxicity - Dermal</b>	LD50 (rabbit): > 2000 mg/kg
<b>Ingestion</b>	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.
<b>Inhalation</b>	Inhalation of dust may cause respiratory tract irritation with symptoms including coughing and shortness of breath.
<b>Skin</b>	May cause skin rashes, irritation, redness and pain.
<b>Eye</b>	Contact may cause transient irritation, redness and pain. May lead to conjunctivitis and blurred vision.
<b>Carcinogenicity</b>	No evidence of carcinogenic properties.
<b>Chronic Effects</b>	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.
<b>Mutagenicity</b>	No evidence of mutagenic properties.

**12. Ecological information**



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**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). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

**Poisons Schedule** Not Scheduled

**16. Other Information**

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. 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.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.  
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.  
Safe Work Australia, 'Hazardous Chemical Information System, 2005'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.  
**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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