

TECHNICAL BULLETIN



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Date of Issue: 4/4/2016

Last revision: February 2016

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SODIUM BROMIDE AND SODIUM BROMIDE 30%

SODIUM BROMIDE 30%

CONTAINS 385 g/L SODIUM BROMIDE

Harmful if swallowed. Affects central nervous system, brain and eyes. May cause irritation to skin, eyes and respiratory tract.

FIRST AID: For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor (at once)

SAFETY DIRECTIONS: S2 Keep out of the reach of children. S22 Do not breathe dust.
S24 Avoid contact with skin

BATCH NO.



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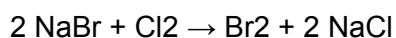
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GENERAL:

SODIUM BROMIDE (NaBr) can be used as a source of the chemical element bromine. This can be accomplished by treating an aqueous solution of NaBr with chlorine gas:



APPLICATIONS

Being a source of bromine, **SODIUM BROMIDE** has various applications.

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Some them are as follows:

- Because of its density, **SODIUM BROMIDE** is used as a completion, work-over and packer fluid in oilfield applications.
- When used with an oxidizer, such as sodium hypochlorite, **SODIUM BROMIDE** is an excellent biocide. It has wide industrial applications, including water treatment and pulp & paper manufacturing.
- **SODIUM BROMIDE** is used in reducing mercury levels in power plant emissions.
- Other applications for **SODIUM BROMIDE** also include photography and medicines.

USES

Oxidant: It can be used in conjunction with sodium hypochlorite solution so that sodium hypobromite is generated. The sodium Hypobromite is a stronger oxidizing agent. After reaction, bromide ion is re-formed which again reacts with more sodium hypochlorite. Used this way it is a catalyst. Typically it is dosed at 5-10% of the concentration of sodium hypochlorite.

Medicine: Also known as Sedoneural, **SODIUM BROMIDE** has been used as a hypnotic, anticonvulsant, and sedative in medicine, widely used as an anticonvulsant and a sedative in the late 19th and early 20th centuries. Its action is due to the bromide ion, and for this reason potassium bromide is equally effective

Disinfectant: NaBr is used in conjunction with chlorine as a disinfectant for swimming pools.

Petroleum industry: **SODIUM BROMIDE** is used to prepare dense fluids used in oil wells.

SAFETY

SODIUM BROMIDE has a very low toxicity with an oral LD50 estimated at 3.5 g/kg for rats. However, this is a single-dose value. Bromide ion is a cumulative toxin with a relatively long half life (in excess of a week in humans).

PACKAGING

1000L containers

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***