

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier

Product name: SODIUM BROMIDE
REACH registered number(s): 01-2119490106-41-XXXX
CAS number: 7647-15-6
EINECS number: 231-599-9

Relevant identified uses of the substance or mixture and uses advised against:

Use of substance / mixture: PC4: Anti-Freeze and de-icing products.
PC9b: Fillers, putties, plasters, modelling clay.
PC12: Fertilizers.
PC20: Products such as pH-regulators, flocculants, precipitants, neutralization agents.
PC19: Intermediate.
PC18: Ink and toners.
PC21: Laboratory chemicals.
PC23: Leather tanning, dye, finishing, impregnation and care products.
PC26: Paper and board dye, finishing and impregnation products: including bleaches and other processing aids.
PC35: Washing and cleaning products (including solvent based products).
PC37: Water treatment chemicals.

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification under CLP: This product has no classification under CLP.

Label elements:

Precautionary statements: P281: Use personal protective equipment as required.
P285: In case of inadequate ventilation wear respiratory protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Other hazards:

PBT: This product is not identified as a PBT/vPvB substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Chemical identity: SODIUM BROMIDE
CAS number: 7647-15-6
EINECS number: 231-599-9
REACH registered number(s): 01-2119490106-41-####

4. FIRST AID MEASURES

Description of first aid measures:

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water.
Inhalation: Consult a doctor.

Most important symptoms and effects, both acute and delayed:

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Indication of any immediate medical attention and special treatment needed:

Immediate / special treatment: Not applicable.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Special hazards arising from the substance or mixture:

Exposure hazards: In combustion emits toxic fumes.

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

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Methods and material for containment and cleaning up:

Clean-up procedures: Wash the spillage site with large amounts of water.

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

7. HANDLING AND STORAGE

Precautions for safe handling:

Handling requirements: Avoid the formation or spread of dust in the air.

Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in a cool, well ventilated area. Suitable packaging: Must only be kept in original packaging.

Specific end use(s): No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Workplace exposure limits: Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m ³	-	10 mg/m ³	-

DNEL/PNEC Values:

SODIUM BROMIDE:

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	4.75 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	95 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (Acute)	95 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	1.66 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	95 mg/kg bw/day	General Population	Systemic
DNEL	Dermal (Acute)	95 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	0.475 mg/kg bw/day	General Population	Systemic
DNEL	Oral (Acute)	42 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.15 mg/L	-	-
PNEC	Marine water	0.075 mg/L	-	-
PNEC	Fresh water sediments	0.12 mg/kg sediment	-	-
PNEC	Marine sediments	0.06 mg/kg sediment	-	-
PNEC	Air	3.2 mg/kg soil dw	-	-
PNEC	Food chain	3.333 mg/kg food	-	-

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Exposure controls:

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area.
Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protective device with particle filter. Particle filter class P1 (EN143).

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

State:	Powder
Colour:	Off-white
Odour:	Odourless
Evaporation rate:	Negligible
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Soluble
Viscosity:	No data available.
Boiling point/range°C:	1396
Melting point/range°C:	747
Flammability limits %:	Lower: No data available. Upper: No data available.
Flash point°C:	No data available.
Part.coeff. n-octanol/water:	No data available.
Autoflammability°C:	No data available.
Vapour pressure:	No data available.
Relative density:	3.21 g/ml
pH:	ca. 7 (10 g/L)
VOC g/l:	0

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended transport or storage conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

Conditions to avoid: Heat.

Incompatible materials:

Materials to avoid: Strong oxidising agents. Strong acids.

Hazardous decomposition products: In combustion emits toxic fumes.

[cont...]

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Excluded hazards for substance:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure:

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.
Other information:	Not applicable.

12. ECOLOGICAL INFORMATION**Toxicity:**

Ecotoxicity values: No data available.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Mobility in soil:

Mobility: Soluble in water.

Results of PBT and vPvB assessment:

PBT identification: This product is not identified as a PBT/vPvB substance.

Other adverse effects: Negligible ecotoxicity.

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Regeneration of acids or bases.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Specific regulations: Not applicable.

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. * indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.