



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  +91 7058322540 / +91 7378378726

 www.ultrapurelab.com

MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

Sodium bromide

1. Identification

Product Name : Sodium bromide

CAS No7647-15-6

Synonyms

Recommended Use

Uses advised against

Formula : NaBr.

Laboratory chemicals.

2. Hazard(s) identification

Classification

This chemical is considered hazardous according to [US] OSHA (29 CFR 1910.1200, 2024)

Reproductive Toxicity

Specific target organ toxicity (single exposure)

Target Organs - Central nervous system (CNS).

Specific target organ toxicity - (repeated exposure)

Label Elements

Signal Word

Warning

Hazard Statements

May cause drowsiness or dizziness

Category 2

Category 3

Category 2

Suspected of damaging fertility. Suspected of damaging the unborn child

May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear protective gloves/protective clothing/eye protection/face protection

Response

IF exposed or concerned: Get medical attention/advice

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Storage

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

Hazards classified under paragraph (d)(1)(ii) of 1910.1200

No information available

3. Composition/information on Ingredients

Component

Sodium bromide

CAS No

Weight %

7647-15-6

<=100



4. First-aid measures

General Advice

Eye Contact

Skin Contact

Inhalation

Ingestion

Most important symptoms and effects

Notes to Physician

If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

None reasonably foreseeable.

Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media

Unsuitable Extinguishing Media

Flash Point

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Method

Autoignition Temperature

Explosion Limits

Upper

Lower

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

No information available

No information available

No information available

No information available

No data available

No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Non-combustible. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Hydrogen halides. Sodium oxides.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health

2

Flammability

0

Instability

1

Physical hazards

N/A

6. Accidental release measures

Personal Precautions

Environmental Precautions

Methods for Containment and Clean

Up

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540

**ISO 9001 Quality System Certified Organization****MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS****Address : H.No.712/3, sainagar, Palghar mumbai 401102** sales@ultrapurelab.com / info@ultrapurelab.com /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726) www.ultrapurelab.com

Do not flush into surface water or sanitary sewer system.

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

7. Handling and Storage**Handling****Storage.**

Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Store under an inert atmosphere. Keep container tightly closed in a dry and well-ventilated place. Air sensitive. Incompatible Materials. Strong oxidizing agents. Strong acids. Halogens.

8. Exposure controls / personal protection**Exposure Guidelines****Engineering Measures**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment**Eye/face Protection****Skin and body protection****Respiratory Protection****Recommended Filter type:****Hygiene Measures**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Wear appropriate protective gloves and clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Particle filter.

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties**Appearance****Physical State****Color****Odor****Odor Threshold**



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Property

Melting Point/Range

Softening Point

Boiling Point/Range

Flash Point

Flammability (liquid)

Flammability (solid,gas)

Explosion Limits

Autoignition Temperature

Decomposition Temperature

pH

Viscosity

Water Solubility

Solubility in other solvents

Powder Solid

White

Odorless

No information available

Values

755 °C / 1391 °F

No data available

1390 °C / 2534 °F

No information available

Not applicable

No information available

No data available

No data available

800 °C

5-8.8

Not applicable

905 g/L (20°C)

No information available

Partition Coefficient (n-octanol/water)

Vapor Pressure

Density / Specific Gravity

Bulk Density

Vapor Density

Particle characteristics

Other Information

Molecular Formula

Molecular Weight

Evaporation Rate



UPLC
Ultra Pure-Lab Chem Industries

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

No data available

No data available

No data available

Not applicable

No data available

Br Na

102.89

Not applicable - Solid

Remarks

@ 760 mmHg

• Method

Method - No information available

Solid

5% aq. solution

Solid

Solid

10. Stability and reactivity

Reactive Hazard

Stability

Conditions to Avoid

None known, based on information available

Hygroscopic.

To avoid thermal decomposition, do not overheat. Incompatible products. Exposure to moist air or water.

Incompatible Materials

Strong oxidizing agents, Strong acids, Halogens

Hazardous Decomposition Products Hydrogen halides, Sodium oxides

Hazardous Polymerization

Hazardous Reactions

Hazardous polymerization does not occur.

None under normal processing.

11. Toxicological information

Information on expected route of exposure

Inhalation

Ingestion

Eyes

Skin

Toxicology data for the components

Avoid breathing dust or spray mist. May be harmful if inhaled.

May be harmful if swallowed.

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Avoid contact with eyes.

Avoid contact with skin.

Component

LD50 Oral

Sodium bromide

LD50 = 3500 mg/kg (Rat)

LD50 Dermal

>2000 mg/kg (Rabbit)

LC50 Inhalation

Toxicologically Synergistic

Products

(b) skin corrosion/irritation;

(c) serious eye damage/irritation;

(d) respiratory or skin sensitization;

Respiratory

Skin

(e) germ cell mutagenicity;

(f) carcinogenicity;

Component

CAS No

No information available

No data available

No data available

No data available

No data available

No data available

Not mutagenic in AMES Test

The table below indicates whether each agency has listed any ingredient as a carcinogen

IARC

NTP

Sodium bromide

7647-15-6

Not listed

ACGIH

OSHA

Mexico

Not listed

(g) reproductive toxicity;

(h) STOT-single exposure;

Results / Target organs

(i) STOT-repeated exposure;

Target Organs

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Category 2

Category 3

Central nervous system (CNS).

Category 2

No information available.

Not listed

Not listed

Not listed

(j) aspiration hazard; Not applicable

Solid

Other Adverse Effects The toxicological properties have not been fully investigated.

Symptoms / effects, both acute and delayed

No information available.

Other Adverse Effects The toxicological properties have not been fully investigated.

Endocrine Disrupting Properties This product does not contain any known or suspected endocrine disruptors.

12. Ecological information

Ecotoxicity

Contains a substance which is: Very toxic to aquatic organisms. The product contains following substances which are hazardous for the environment.

Component Freshwater Algae Freshwater Fish Microtox Water Flea

Sodium bromide EC50: 5800 - 24000 mg/L,

96h (Scenedesmus

pannonicus)

LC50: > 1000 mg/L, 96h

static (Oncorhynchus

mykiss)

LC50: 24000 - 96000 mg/L,

96h flow-through (Oryzias

latipes)

LC50: = 24000 mg/L, 96h

semi-static (Oryzias latipes)

LC50: 16000 - 24000 mg/L,

96h flow-through (Poecilia

reticulata)

LC50: = 16000 mg/L, 96h

semi-static (Poecilia

reticulata)

LC50: 0.054 - 0.081 mg/L,

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

96h flow-through

(Oncorhynchus mykiss)

LC50: > 1000 mg/L, 96h

static (Lepomis macrochirus)

LC50: 15614 - 17428 mg/L,

96h static (Pimephales

promelas)-EC50: 5700 - 10800 mg/L,

48h Static (Daphnia magna)

EC50: 5800 - 48000 mg/L,

48h (Daphnia magna)

Persistence and Degradability Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. Regulatory Information

Component

CAS No

TSCA

TSCA Inventory notification

Active-Inactive

Sodium bromide

7647-15-6

X

Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

TSCA 12(b) - Notices of Export

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

International Inventories

Not applicable

Not applicable

ACTIVE

TSCA - EPA Regulatory

Flags

Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component

CAS No

DSL

NDL EINECS PICCS ENCS ISHL AICS IECSC KECL

Sodium bromide

7647-15-6

X

231-599-9

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulations

SARA 313

KE-31368

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

Clean Air Act

OSHA - Occupational Safety and

Health Administration

CERCLA

Not applicable

Not applicable

Not applicable

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

U.S. State Right-to-Know

Regulations

U.S. Department of Transportation

Reportable Quantity (RQ):

DOT Marine Pollutant

DOT Severe Marine Pollutant

This product does not contain any Proposition 65 chemicals.

Not applicable

U.S. Department of Homeland

Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH Not applicable

Component CAS No REACH (1907/2006)

Annex XIV - Substances

Subject to Authorization

REACH (1907/2006)

Annex XVII - Restrictions

on Certain Dangerous

Substances

REACH Regulation (EC

1907/2006) article 59

Candidate List of

Substances of Very High

Concern (SVHC)

Sodium bromide 7647-15-6--

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

Component CAS No OECD HPV Persistent Organic

Pollutant

Ozone Depletion

Potential

Restriction of

Hazardous

Substances (RoHS)

Sodium bromide 7647-15-6 Listed Not applicable Not applicable Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?

Not applicable

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540



ULTRA PURE-LAB CHEM INDUSTRIES (LLP)



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

 sales@ultrapurelab.com / info@ultrapurelab.com

 /  [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)

 www.ultrapurelab.com

Other International Regulations

Component CAS No Seveso III Directive

(2012/18/EC)

Qualifying Quantities

for Major Accident

Notification

Seveso III Directive

(2012/18/EC)

Qualifying Quantities

for Safety Report

Requirements

Rotterdam

Convention (PIC)

Basel Convention

(Hazardous Waste)

Sodium bromide 7647-15-6 Not applicable Not applicable Not applicable Not applicable

16. Other Information

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

ULTRA PURE-LAB CHEM INDUSTRIES (LLP)

Address: H.No.712/3, sainagar,

Palghar-401102.  +91 7058322540