

## SAFETY DATA SHEET

According to JIS Z 7253:2012  
**Revision Date** 12-Jun-2018  
 Version 5

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

|   |   |
|---|---|
| <b>Product name</b>                             | Sodium Bromide  |
| <b>Product code</b>                             | 193-01505   |
| <b>CAS No</b>                                   | 7647-15-6   |
| <b>Formula</b>                                  | NaBr  |
| <b>Manufacturer</b>                             | FUJIFILM Wako Pure Chemical Corporation<br>1-2 Doshomachi 3-Chome<br>Chuo-ku, Osaka 540-8605, Japan<br>Phone: +81-6-6203-3741<br>Fax: +81-6-6203-5964 |
| <b>Supplier</b>                                 | FUJIFILM Wako Pure Chemical Corporation<br>1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan<br>Phone: +81-6-6203-3741<br>Fax: +81-6-6203-2029   |
| <b>Emergency telephone number</b>               | +81-6-6203-3741 / +81-3-3270-8571   |
| <b>Recommended uses and restrictions on use</b> | For research purposes   |
| <b>Announcement of company name change</b>      | Company name has changed since April 1, 2018. Former name was "Wako Pure Chemical Industries, Ltd."   |

## Section 2: HAZARDS IDENTIFICATION

**GHS classification****Classification of the substance or mixture**

Serious eye damage/eye irritation

Category 2B

**Pictograms**

Signal word

Warning

**Hazard statements**

H320 - Causes eye irritation

**Precautionary statements-(Prevention)**

- Wash face, hands and any exposed skin thoroughly after handling

**Precautionary statements-(Response)**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

**Precautionary statements-(Storage)**

- Not applicable

**Precautionary statements-(Disposal)**

- Not applicable

**Others**

Other hazards

Not available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture**          Substance

**Formula**                                  NaBr

| Chemical Name  | Weight-% | Molecular weight | ENCS    | ISHL No. | CAS No.   |
|----------------|----------|------------------|---------|----------|-----------|
| Sodium bromide | 99.5     | 102.89           | (1)-113 | N/A      | 7647-15-6 |

**Impurities and/or Additives :**          Not applicable

## Section 4: FIRST AID MEASURES

### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

### Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

### Protection of first-aiders

Use personal protective equipment as required.

## Section 5: FIRE FIGHTING MEASURES

### Suitable extinguishing media

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

### Unsuitable extinguishing media

No information available

### Special extinguishing method

No information available

### Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Protection of fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

### Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

### Methods and materials for contaminant and methods and materials for cleaning up

Sweep up and gather scattered particles, and collect it in an empty airtight container.

### Recovery, neutralization

No information available

### Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE

### Handling

#### Technical measures

Avoid contact with eyes and skin Use with local exhaust ventilation.

#### Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

#### Safety handling precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

### Storage

#### Safe storage conditions

##### Storage conditions

Store away from sunlight in well-ventilated place at room temperature (preferably cool).  
Keep container tightly closed.

##### Safe packaging material

Glass

#### Incompatible substances

No information available

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering controls

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

### Exposure limits

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

### Personal protective equipment

#### Respiratory protection

Dust mask

#### Hand protection

Protection gloves

#### Eye protection

protective eyeglasses or chemical safety goggles

#### Skin and body protection

protective boots, Long-sleeved work clothes

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Form

#### Color

white

#### Appearance

crystalline powder

#### Odor

No data available

#### pH

5.0 - 8.0

#### Melting point/freezing point

755 °C

#### Boiling point, initial boiling point and boiling range

1,413 °C

#### Flash point

No data available

#### Evaporation rate:

No data available

#### Flammability (solid, gas):

No data available

#### Upper/lower flammability or explosive limits

##### Upper :

No data available

##### Lower :

No data available

#### Vapour pressure

No data available

#### Vapour density

No data available

|   |  |
|---|--|
| Specific Gravity / Relative density             | 3.21   |
| Solubilities                                    | water : freely soluble . Ethanol : soluble . |
| n-Octanol/water partition coefficient:(log Pow) | No data available                            |
| Auto-ignition temperature:                      | No data available                            |
| Decomposition temperature:                      | No data available                            |
| Viscosity (coefficient of viscosity)            | No data available                            |
| Dynamic viscosity                               | No data available                            |

## Section 10: STABILITY AND REACTIVITY

### Stability

|            |                   |
|------------|-------------------|
| Stability  | Hygroscopic.      |
| Reactivity | No data available |

### Hazardous reactions

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight, Moisture

### Incompatible materials

No information available

### Hazardous decomposition products

Halides

## Section 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

| Chemical Name  | Oral LD50          | Dermal LD50             | Inhalation LC50 |
|----------------|--------------------|-------------------------|-----------------|
| Sodium bromide | 3500 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | N/A             |

|                                   |                   |
|-----------------------------------|-------------------|
| Skin irritation/corrosion         | No data available |
| Serious eye damage/ irritation    | No data available |
| Respiratory or skin sensitization | No data available |
| Reproductive cell mutagenicity    | No data available |
| Carcinogenicity                   | No data available |
| Reproductive toxicity             | No data available |
| STOT-single exposure              | No data available |
| STOT-repeated exposure            | No data available |
| Aspiration hazard                 | No data available |

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical Name  | Algae/aquatic plants                               | Fish   | Crustacea  |
|----------------|--|--|--|
| Sodium bromide | EC50:Scenedesmus pannonicus 5800 - 24000 mg/L 96 h | LC50:Oryzias latipes 24000 - 96000 mg/L 96 h<br>LC50:Oryzias latipes 24000 mg/L 96 h<br>LC50:Poecilia reticulata 16000 - 24000 mg/L 96 h | EC50:Daphnia magna 5800 - 48000 mg/L 48 h<br>EC50:Daphnia magna 5700 - 10800 mg/L 48 h |

|            |                   |
|------------|-------------------|
| Other data | No data available |
|------------|-------------------|

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Persistence and degradability</b> | No information available |
| <b>Bioaccumulative potential</b>     | No information available |
| <b>Mobility in soil</b>              | No information available |
| <b>Hazard to the ozone layer</b>     | No information available |

### Section 13: DISPOSAL CONSIDERATIONS

#### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14: TRANSPORT INFORMATION

|   |                          |
|---|--------------------------|
| <b>ADR/RID</b>  | Not regulated            |
| <b>UN number</b>  | -                        |
| <b>Proper shipping name:</b>  |                          |
| <b>UN classification</b>  |                          |
| <b>Subsidiary hazard class</b>  |                          |
| <b>Packing group</b>  |                          |
| <b>Marine pollutant</b>   | Not applicable           |
| <b>IMDG</b>   | Not regulated            |
| <b>UN number</b>  | -                        |
| <b>Proper shipping name:</b>  |                          |
| <b>UN classification</b>  |                          |
| <b>Subsidiary hazard class</b>  |                          |
| <b>Packing group</b>  |                          |
| <b>Marine pollutant (Sea)</b>   | Not applicable           |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | No information available |
| <b>IATA</b>   | Not regulated            |
| <b>UN number</b>  | -                        |
| <b>Proper shipping name:</b>  |                          |
| <b>UN classification</b>  |                          |
| <b>Subsidiary hazard class</b>  |                          |
| <b>Packing group</b>  |                          |
| <b>Environmentally Hazardous Substance</b>                                      | Not applicable           |

### Section 15: REGULATORY INFORMATION

#### International Inventories

|                      |        |
|----------------------|--------|
| <b>EINECS/ELINCS</b> | Listed |
| <b>TSCA</b>          | Listed |

#### Japanese regulations

|  |                |
|--|----------------|
| <b>Fire Service Act</b>  | Not applicable |
| <b>Poisonous and Deleterious Substances Control Law</b>                    | Not applicable |
| <b>Industrial Safety and Health Act</b>                                    | Not applicable |
| <b>Regulations for the carriage and storage of dangerous goods in ship</b> | Not applicable |

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|  |  |
|--|--|
| <b>Civil Aeronautics Law</b>                       | Not applicable   |
| <b>Marine Pollution Prevention Law</b>             | Enforcement ordinance Appendix No. 1 Noxious liquid substance Category Y |
| <b>Pollutant Release and Transfer Register Law</b> | Not applicable   |
| <b>Export Trade Control Order</b>                  | Not applicable   |

### Section 16: OTHER INFORMATION

#### Key literature references and sources for data etc.

NITE: National Institute of Technology and Evaluation (JAPAN)  
<http://www.safe.nite.go.jp/japan/db.html>  
IATA dangerous Goods Regulations  
RTECS:Registry of Toxic Effects of Chemical Substances  
Japan Industrial Safety and Health Association GHS Model SDS  
Dictionary of Synthetic Organic Chemistry, SSOCJ, Koudansha Scientific Co.Ltd.  
Chemical Dictionary, Kyouritsu Publishing Co., Ltd.  
etc

#### 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, 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.  
GHS Classification is according to JIS Z7252(2014). \*JIS: Japanese Industrial Standards

#### Product information

You might get a product which indicates a former company name, during the period of transition.

**End of Safety Data Sheet**