

SAFETY DATA SHEET

PRODUCT NAME	1-Bromonaphthalene	Date of issue	30/1/2012
		Date of revision/ Last confirmation	3/4/2025

1. Identification of the substance or mixture and the supplier

Product name	1-Bromonaphthalene
SDS No.	GHS-0054E
Name of supplier	Kyoto Electronics Manufacturing Co., Ltd.
Address	68 Ninodan-cho, Shinden, Kisshoin, Minami-ku, Kyoto, Japan
Division	Quality Assurance Department
Phone	+81-75-691-4121
Fax	+81-75-691-4127
Emergency phone	+81-75-691-4125
Recommended uses and restrictions on use	
Recommended use	For analysis
Restrictions on use	When using for purposes other than those recommended, consult a specialist.

2. Hazard identification

GHS classification

Health hazards

Acute toxicity / Oral	Category 4
Serious eye damage / Eye irritation	Category 2A

GHS label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary statements

Prevention	<p>P264 Wash skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>
Response	<p>P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P330 Rinse mouth.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/ attention.</p>
Disposal	<p>P501 Dispose of contents/ container to an approved waste disposal plant.</p>
Other hazards which do not result in classification	<p>None known.</p>

3. Composition/Information on ingredients

substance / mixture

substance

Components

No.	Chemical name	CAS No.	Concentration (% w/w)	ENCS / ISHL number
1	1-Bromonaphtalene	90-11-9	>95.0	5-777

4. First-aid measures

General advice	<p>Move out of dangerous area.</p> <p>Show this material safety data sheet to the doctor in attendance.</p> <p>Do not leave the victim unattended.</p>
If inhaled	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>If breathing is weak or has stopped, loosen the person's clothing, keep the airway open, and administer artificial respiration.</p> <p>Call a doctor/physician if necessary.</p>
In case of skin contact	<p>Wash immediately with soap and plenty of water.</p> <p>Wash contaminated clothing before reuse.</p> <p>Remove contaminated clothing and shoes.</p> <p>Call a physician if necessary.</p>

In case of eye contact	<p>If in eyes, immediately flush with plenty of water for at least 15 minutes and seek medical attention.</p> <p>Protect uninjured eyes.</p> <p>Keep eyes wide open while rinsing.</p> <p>If eye irritation persists, consult a medical specialist.</p> <p>Remove contact lenses, if present and easy to do. Continue rinsing.</p>
If swallowed	<p>Rinse mouth.</p> <p>If swallowed, DO NOT induce vomiting.</p>
Most important symptoms and effects, both acute and delayed	No data available
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	<p>Water</p> <p>Carbon dioxide (CO₂)</p> <p>Dry sand</p> <p>Regular foam</p>
Unsuitable extinguishing media	Nothing particular
Specific hazards during fire fighting	<p>In the event of a fire, pyrolysis or combustion may produce highly irritating and/or harmful gases.</p> <p>Fire water or dilution water may be toxic and/or corrosive and may cause pollution.</p>
Specific extinguishing methods	<p>Move the container to a safe place immediately. If it is impossible to move, spray water on the container and surrounding area to cool it down.</p> <p>Extinguishing work should be done from upwind.</p> <p>For early stages of fire, use powder, carbon dioxide, dry sand, etc.</p> <p>For large-scale fires, it is effective to cut off the air using foam extinguishing agents, etc.</p>
Special protective equipment for fire-fighters	Use personal protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	<p>Use personal protective equipment.</p> <p>Remove all sources of ignition.</p>
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Environmental precautions	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Advice on protection against fire and explosion	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	Take precautionary measures against static discharges. Keep away from fire, sparks and heated surfaces. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation.
Avoidance of contact	Strong oxidizing agents
Hygiene measures	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Storage

Conditions for safe storage	Keep in a well-ventilated place. Store at room temperature. To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed.
Further information on storage stability	No decomposition if stored and applied as directed.

8. Exposure controls/Personal protection

Threshold limit value and permissible exposure limits for each component in the work environment	Contains no substances with occupational exposure limit values.
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Personal protective equipment

Respiratory protection	Suitable respiratory equipment
Hand protection material	Protective gloves
Eye protection	Safety glasses
Skin and body protection	Protective suit

9. Physical and chemical properties

Physical state	Liquid.
Color	Colorless to dark brown, transparent
Odor	Peculiar odor
Melting point / Freezing point	6.1 °C
Initial boiling point and boiling range	281 °C
Flammability (liquids)	No data available
Lower explosion limit and upper explosion limit / flammability limit	
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Flash point	110 °C
Decomposition temperature	No data available
pH	No data available
Autoignition temperature	No data available
Self-Accelerating decomposition temperature (SADT)	No data available
Viscosity	
Viscosity, kinematic	No data available
Solubility(ies)	
Water solubility	Insoluble
Solubility in other solvents	Easily soluble in ethanol and acetone
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density and / or relative density Relative density	1.49 g/cm ³ (20 °C)
Relative vapor density	No data available
Particle characteristics Particle size	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	May be altered by light
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Conditions to avoid	Avoid contact with heat, flames, sparks, high temperatures and direct sunlight, static electricity and sparks.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide, carbon dioxide, halides

11. Toxicological information

Acute toxicity

Acute oral toxicity LD50(Rat) 810 mg/kg

Skin corrosion/irritation Not classified based on available information.

Serious eye damage/eye irritation

Respiratory or skin sensitization

Skin sensitization Not classified based on available information.

Respiratory sensitization Not classified based on available information.

Germ cell mutagenicity Not classified based on available information.

Carcinogenicity Not classified based on available information.

Reproductive toxicity Not classified based on available information.

STOT-single exposure Not classified based on available information.

STOT-repeated exposure Not classified based on available information.

Aspiration toxicity Not classified based on available information.

Remarks No data available

12. Ecological information

Ecotoxicity No data available

Persistence and No data available

degradability

Bioaccumulation No data available

Mobility in soil No data available

Hazardous to the ozone No data available

layer

Other adverse effects No data available

13. Disposal considerations

Waste from Can be incinerated, when in compliance with local regulations.

residues Send to a licensed waste management company.

Contaminated Empty remaining contents.

packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Dispose of contents/ container to an approved waste disposal plant.

14. Transport information

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

Please refer to the law and local regulations, etc. in each country

Special precautions for user

Not applicable

15. Regulatory information

16. Other information

Citations/References

NITE-Gmiccs (National Institute of Technology and Evaluation)

NITE-CHRIIP (National Institute of Technology and Evaluation)

Workplace Safety Site (Ministry of Health, Labor and Welfare)

SDS from various upstream manufacturers

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.