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TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

4-BROMO ANILINE FOR SYNTHESIS MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form : Substance
CAS No : 106-40-1
Product code : 20999

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
T +91 11 23646422
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Acute toxicity (oral), H302

Category 4

Acute toxicity (dermal), H311

Category 3

Skin corrosion/irritation, H315

Category 2

Serious eye damage/irritation, H319

Category 2

Specific target organ H335

Toxicity – single

Exposure, category 3,

Respiratory tract irritation

Full text of classification categories and H-statements: see section 16

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Classification according to directive 67/548/EEC or 1999/45/EC

Xn: R21

Xn: R22

Xi: R36

Xi: R37

Xi: R38

Full text of R-phrases: see section 16

Adverse physiochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : Danger

Hazard statements (CLP) : H302 – Harmful if swallowed
H311 – Toxic in contact with skin
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation

Precautionary statements (CLP) : P261 – Avoid breathing vapors, dust, fume, gas.
P280 – Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 – Call a doctor if you feel unwell

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name : 4-BROMO ANILINE FOR SYNTHESIS

CAS-No. : 106-40-1

Full text of R- and H- statements: see section 16

3.2. Mixtures

Not applicable



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First – aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor /physician if you feel unwell
First – aid measures after skin contact	:	Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.
First – aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. get medical advice/attention.
First – aid measures after ingestion	:	Rinse mouth. Call a doctor/physician if you feel unwell..

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	:	May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. causes skin irritation.
Symptoms/injuries after eye contact	:	Causes serious eye irritation.
Symptoms/injuries after ingestion	:	Swallowing a small quantity of this material will result in serious health hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	:	Carbon dioxide. Dry powder. foam.water spray.
Unsuitable extinguishing media	:	Do not use a heavy water steam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers.
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Use only outdoors or in a well – ventilated area. Do not breathe vapors.
Hygiene measures : Do not eat, drink or smoke when using this product.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any compatibilities

Storage conditions : Keep container tightly closed. Store in a well – ventilated place.

7.3. Specific end use (s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection : Protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	white to gray to brown crystalline
Odor	:	Odorless.
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1):	:	No data available
Melting Point	:	61 - 64°C
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (Solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Density	:	1.497g/cm ³
Solubility	:	Water: Insoluble in cold water
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Moisture. Air contact

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	:	Oral: Harmful if swallowed. Dermal: Toxic in contact with skin.
Skin corrosion/irritation	:	Cause skin irritation.
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human health Effects and symptoms	:	Harmful if swallowed. Harmful in contact with skin

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/packaging disposal recommendations	:	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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SECTION 14: TRANSPORT INFORMATION

14.1. UN Number

ADR/RID: 2811 IMDG: 2811 IATA: 2811

14.2. UN proper shipping name

ADR/RID : 4-Bromoaniline
IMDG : 4-Bromoaniline
IATA : 4-Bromoaniline

14.3. Transport hazard class (es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4. Packaging group

ADR/RID: III IMDG: III IATA: III

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available

SECTION 15: REGULATORY INFORMATION

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

Ensure all local, regional, national and/or international regulations are observed.

15.2 Chemical safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

H302 Harmful if swallowed
H311 Toxic in contact with skin
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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