

Syntor Fine Chemicals Ltd

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY

1.1 Product identifier:	2-Bromo-4,5-dimethoxybenzyl bromide	
Synonyms:	1-(Bromomethyl)-2-bromo-4,5-dimethoxybenzene	
Recommended uses:	Intermediate in chemical manufacture	
Uses advised against	No information available	
1.3 Detail of supplier:	Syntor Fine Chemicals Ltd 11 Boleyn Court Manor Park Runcorn WA7 1SR	1.4 Emergency Telephone: +44 (0) 7720 149 777 Fax: +44 (0) 1928 579 734 e-mail: mr@syntor.co.uk www.syntor.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance:
Classification of substance according to CLP, 1272/2008/EC:

2.2 Label element:



Signal word:

WARNING

Hazard / Precautionary Statements:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation
H335 May cause respiratory irritation

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

2.3 Other Hazards:

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Ingredient	CAS Number	EC Number	Concentration (% w/w)	Classification according to (EC) No 1272/2008 (CLP)
2-Bromo-4,5-dimethoxybenzyl bromide	53207-00-4	610-978-6	~ 100 %	Acute toxicity, oral (Category 4) –H302 Skin irritation (Category 2) – H315 Eye irritation (Category 2A) - H319 Specific target organ toxicity - single exposure (Category 3) –H 335

Molecular formula:

C₉H₁₀O₂Br₂

Molecular weight:

309.98

4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:

Instantly remove any clothing soiled by the product.
Remove breathing apparatus only after soiled clothing has been completely removed.

Inhalation:

Supply fresh air. If required, provide artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep patient warm. Consult doctor if symptoms persist.

Skin contact:

Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.

Eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

Swallowing:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical advice.

4.2 Most important symptoms and

effects, both acute and delayed: No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing agents: Use carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing media:

No further relevant information available.

5.2 Special hazards caused by the material, its products of combustion or flue gases:

Can be released in case of fire.
Carbon monoxide and carbon dioxide.
Hydrogen bromide (HBr).

5.3 Precautions for fire fighters

Wear self-contained breathing apparatus.
Wear full protective suit.

5.4 Further information:

Product is not considered a fire hazard, but will burn if ignited
Use water spray to cool un opened containers

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided. Do not allow material to be released to the environment without proper governmental permits

6.3 Methods and materials for containment and cleaning up:

Avoid dust formation. Contain / prevent further spillage. Sweep or vacuum collect and place in container for disposal according to local / national regulations (see section13).
Dispose of contaminated material according to local / national regulations.

6.4 Reference to other sections:

See section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid exposure - obtain special instructions before use. Keep containers tightly sealed.
Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Open and handle container with care.

7.2 Conditions for safe storage, including any incompatibilities:

Keep ignition sources away – Do not smoke.
Store in cool dry location.
Keep container tightly sealed. Store away from incompatible materials such as oxidizing agents Ensure container is tightly re-sealed after use.

7.3 Specific use(s)

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Derived No Effect Level(DNEL): No information available

Predicted No Effect Concentration (PNEL): No information available

8.2 Exposure controls:

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Personal protective equipment: General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

Breathing equipment:

Use breathing protection with high concentrations.

Protection of hands:

Protective gloves

Eye protection:

Tightly sealed safety glasses / full face protection

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	White to brown powder
b) Odour:	Not determined
c) Odour Threshold:	No information available
d) pH	No information available
e) Melting/freezing point	82 to 86°C
point/range:	No information available
f) Initial boiling point and boiling range	No information available
g) Flash point:	No information available
h) Flammability:	No information available
j) Upper/lower flammability or explosive limits:	No information available
k) Vapour pressure:	No information available
l) Vapour density:	No information available
m) Relative density:	No information available
n) Water solubility:	No information available
o) Partition coefficient:	No information available
p) Autoignition temperature:	No information available
q) Decomposition temperature:	No information available
r) Viscosity:	No information available
s) Explosive properties:	No information available
t) Oxidizing properties:	No information available
9.2 Other information:	No further relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity:	Stable under recommended storage conditions.
10.2 Chemical stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions:	No hazardous reactions known
10.4 Conditions to avoid:	Stable under recommended storage conditions, avoid excess heat
10.5 Incompatible materials:	Strong oxidizing agents
10.6 Hazardous decomposition products:	Carbon dioxide, carbon monoxide, Hydrogen chloride (HBr),

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	No data for classification available RTCS - no data available
Primary irritant effect:	
Effect on the skin:	May be irritating to the skin
Effect on the eye:	May be irritating to the eyes
If swallowed:	May be irritating to respiratory system
Sensitisation:	No sensitising effect known.
Additional toxicological information	Decomposition may lead to formation of hazardous materials To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data or carcinogenic properties of this material is available

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Aquatic toxicity:	No further relevant information available
12.2 Persistence and degradability:	No further relevant information available
12.3 Bioaccumulative potential:	No further relevant information available
12.4 Mobility in soil:	No further relevant information available
12.5 Results of PBT and vPvB assessment:	No further relevant information available
12.6 Other adverse effects	
Additional ecological information:	No further relevant information available
General notes:	Generally not hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment method:

Substance disposal: Handover to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.
Consult state, local or national regulations for proper disposal.
Arrange disposal as special waste, by licensed disposal company.

Waste packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

Land transport ADR/RID e GGVS/GGVE (cross-border/domestic)
ADR/RID-GGVS/E Class: None hazardous for transport

Maritime transport IMDG/GGVSea:
IMDG/GGVSea Class: None hazardous for transport

Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: None hazardous for transport

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out for this substance.

Additional information: For use only by technically qualified individuals

16. OTHER INFORMATION

Revision Summary: First issue 001

The above Information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Syntor Fine Chemicals Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product.

Disclaimer: For R&D use only. Not for drug, household or other uses.

We welcome any additional information about our products that customers have obtained by personal experience.

