

Triphenyl Bismuth

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Triphenyl Bismuth
CAS Number: 603-33-8
EC Number: 210-033-4

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

Recommended use: Defense industry

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom
Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1. Classification of the substance or mixture

PHYSICAL HAZARDS

Not classified

HEALTH HAZARDS

Acute toxicity (Oral)

Category 4

ENVIRONMENTAL HAZARDS

Not classified

2.2. Label elements

Pictograms or hazard symbols



Signal word

Warning

Hazard statement(s)

Harmful if swallowed

Precautionary statement(s)
[Prevention]

Do not eat, drink or smoke when using this product.
Wash hands and face thoroughly after handling.

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[Response]

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

[Disposal]

Dispose of contents and container in accordance with local, regional, national regulations.

Section 3: Composition/information on ingredients

Chemical name	Triphenylbismuthine
Commercial name	TPB
CAS Number	603-33-8
Content (W/W)	100%

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

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.

If Swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical

Not applicable

Section 5: Fire-fighting measures

5.1. Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Special protective actions for fire-fighters

Wear MSHA/NIOSH approved self-contained breathing apparatus and full protective gear.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and storage

7.1. Precautions for safe handling

Technical measures

Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling

Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage including any incompatibilities

Storage conditions

Keep container tightly closed. Store in a cool and dark place.
Store under inert gas.
Protect from moisture.
Store away from incompatible materials such as oxidizing agents.
Moisture-sensitive

Packaging material

Comply with laws.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Exposure Guidelines

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

8.2. Exposure controls

8.2.1. Engineering controls

Showers
Eyewash stations
Ventilation systems

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8.2.2. Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin/hand protection

Wear protective gloves and protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Physical Form	Solid (Powder)
Odor, Colour, Grade	White
Odor threshold	No Data Available
pH	No data available
Melting point	78°C
Boiling Point	242 °C / 1.9kPa
Flash Point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammable Limits (LEL)	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Density	1.585 g/cm ³
Specific Gravity	No data available
Solubility in Water	No data available
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No data available
Hazardous Air Pollutants	No Data Available
Volatile Organic Compounds	No Data Available
Percent volatile	No data available
VOC Less H ₂ O & Exempt Solvents	No Data Available

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Section 10: Stability and Reactivity

10.1. Reactivity	No data available
10.2. Chemical stability	Stable under proper conditions
10.3. Possibility of hazardous reactions	No special reactivity has been reported
10.4. Conditions to avoid	Extremes of temperature and direct sunlight
10.5. Incompatible materials	Oxidizing agents
10.6. Hazardous decomposition products	Carbon dioxide, Carbon monoxide

Section 11: Toxicological Information

Acute Toxicity	ipr-mus LDLo:250 mg/kg ivn-mus LD50:180 mg/kg orl-mus LDLo:320 mg/kg
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available

Section 12: Ecological Information

Ecotoxicological information	No information available
Persistence and degradability	No information available
Bioaccumulation	No information available
Mobility	No information available

Section 13: Disposal considerations

Disposal of wastes

Should not be released into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

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Section 14: Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations.

Sea transport

IMDG

Not classified as a dangerous good under transport regulations.

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations.

Section 15: Regulatory Information

US Federal Regulations**SARA 313**

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

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

Section 16: Other Information

NFPA Rating

Health hazard	2
Fire Hazard	0
Reactivity Hazard	0

HMIS Rating

Health hazard	2
Chronic Health Hazard	*
Flammability	0
Physical Hazard	0