Material Safety Data Sheet

Bismuth Shot

EINECS Number: 231-177-4

Chemical characterization:

CAS Number: 7440-69-9

Trade name: Bismuth Shot

Product details:

Bismuth (100%), Ward Hill, MA 01835-8099

Web Site: www.alfa.com

Emergency information:

Emergency Phone: (978) 521-6300

Product:

Bismuth

General information:

No special measures required.

Hazard description:

Not applicable

Precautions for safe handling:

Not applicable

Environmental Precautions:

Not applicable

Further information about storage conditions:

Not required.

Requirements to be met by storerooms and receptacles:

Not required.

Information about storage in one common storage facility:

Not required.

Information for safe handling:

See Section 7 for information on safe handling.

Handling:

Measures for cleaning/collecting:

Persist, consult a doctor.

Measures for environmental protection:

Suitable extinguishing agents:

Seek medical treatment in case of complaints.

Emergency Phone:

(978) 521-6300

Contact:

Health, Safety and Environmental Department.

Department issuing MSDS:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and responsibility of the user.

General notes:

Bismuth and bismuth compounds are often poorly absorbed. Should absorption occur, it may cause a bismuth line or black spots on the gums, foul breath and salivation. The effects of long term exposure are not fully known.

Interhalogens

Acids

Sensitization:

No sensitizing effects known.

Powder: irritant effect on the eye:

on the skin:

Halogens

Decomposition will not occur if used and stored according to specifications.

Reacts with strong oxidizing agents

Materials to be avoided:

Change in condition:

Odorless

Odor:

Silver-colored

Shot

Components with limit values that require monitoring at the workplace:

Body protection:

The usual precautionary measures for handling chemicals should be followed.

Safety glasses

Eye protection:

Not required.

Not required.

Breathing equipment:

Not required.

General protective and hygienic measures

No further data; see item 7.

Personal protective equipment:

No data

No special requirements.

Further information about storage conditions:

None.

Store in cool, dry place in tightly closed containers.

See Section 13 for disposal information.

Information about disposal:

Disposal must be made according to official regulations.

Transport/Additional information:

None

ICAO/IATA Class:

None

Maritime transport IMDG:

None

Land transport ADR/RID (cross-border):

Not a hazardous material for transportation.

All components of this product are listed in the U.S. Environmental Protection Agency’s Toxic Substances Control Act.

Available from the EPA, IARC, NTP, OSHA or ACGIH.

Disposal:

Observers the general safety regulations when handling chemicals

Information about limitation of use:

General:

Not determined

Ignition temperature:

Not determined

Decomposition temperature:

Not determined

Danger of explosion:

Product is not flammable.

Sublimation temperature / start:

Not determined

Boiling point/Boiling range:

Not determined

Specific Volume:

Not determined

Density:

Not determined

Vapor pressure:

Not determined

Product does not present an explosion hazard.

Not determined

Not determined

Not determined

Reactivity:

Not determined

Transition metal:

Not determined

Corrosivity:

Not determined

Toxicological information:

Recommended Exposure Limit:

Not determined

Human exposure:

Not determined

Exposure Monitoring:

Not determined

Carcinogenicity:

No classification data on carcinogenic properties of this material is available from domestic or international regulatory agencies.

Exodermatitis, kidney injury and jaundice. Repeated or prolonged exposure may cause a bismuth line or black spots on the gums, foul breath and salivation.

Toxicological properties:

No data available on the respiratory sensitization of this material.

Inhalation:

No data available on the respiratory sensitization of this material.

Ingestion:

No data available on the respiratory sensitization of this material.

Skin:

No data available on the respiratory sensitization of this material.

Eye:

No data available on the respiratory sensitization of this material.

Other:

No data available on the respiratory sensitization of this material.

Odor threshold:

Not determined

Skin:

No data available on the respiratory sensitization of this material.

Eye:

No data available on the respiratory sensitization of this material.

Other:

No data available on the respiratory sensitization of this material.

Concentration of exposure:

Not determined

Symptoms:

Not determined

Toxicological effects:

Not determined

Toxicological data:

Not determined

Toxicological production:

Not determined

Toxicological action:

Not determined

Toxicological elimination:

Not determined

Toxicological concentration:

Not determined

Toxicological mechanism of action:

Not determined

Toxicological sensitivity:

Not determined

Toxicological resistance:

Not determined

Toxicological metabolism:

Not determined

Toxicological storage:

Not determined

Toxicological more information:

Not determined

Toxicological first aid information:

After skin contact:

Generally, the product does not irritate the skin.

Not applicable

Seek medical treatment.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Measures for environmental protection:

Suitable extinguishing agents:

Seek medical treatment.

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