

MATERIAL SAFETY DATA SHEET

Silver (I) Iodide

| 1. Product And Company Identification | | | |
|---|--|---|-------------------------|
| Supplier Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Joseph Fittos III Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: jfittos@colonialmetals.com Web Site: colonialmetals.com | | Manufacturer Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Joseph Fittos III Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: jfittos@colonialmetals.com Web Site: colonialmetals.com | |
| Supplier Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887 | | Manufacturer Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887 | |
| Issue Date: 03/23/2009 Product Name: Silver (I) Iodide Chemical Name: Argentous Iodide CAS Number: 7783-96-2 Chemical Family: Metal Halide Chemical Formula: AgI MSDS Number: 9006 Product Code: 9006 | | | |
| 2. Composition/Information On Ingredients | | | |
| Ingredient Name | | CAS Number | Percent Of Total Weight |
| Silver (I) Iodide | | 7783-96-2 | 100 |
| EMERGENCY OVERVIEW | | | |
| Irritant. | | | |
| 3. Hazards Identification | | | |
| Primary Routes(s) Of Entry Eye: Likely Inhalation: Likely Skin: Likely Ingestion: Likely | | | |
| Eye Hazards May cause irritation. | | | |
| Skin Hazards May cause irritation. May be harmful if absorbed through the skin. | | | |
| Ingestion Hazards May be harmful if swallowed. | | | |
| Inhalation Hazards May cause irritation to the respiratory tract. May be harmful if inhaled. | | | |

MATERIAL SAFETY DATA SHEET

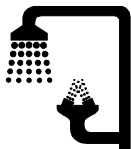
Silver (I) Iodide

3. Hazards Identification - Continued

Conditions Aggravated By Overexposure

Chronic ingestion of iodides may produce iodism. Symptoms include skin rash, running nose, headache, and irritation of mucous membranes. Silver may discolor the skin.

First Aid (Pictograms)



4. First Aid Measures

Eye

Flush for 15 minutes with plenty of water. If discomfort occurs or persists, contact a physician immediately.

Skin

Wash with soap and copious amounts of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminated clothing and shoes and wash before reuse.

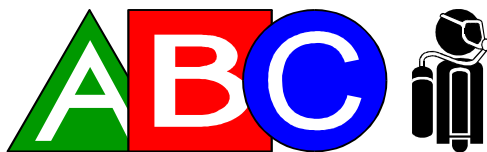
Ingestion

If swallowed wash out mouth with water if victim is conscious. Never give anything by mouth to an unconscious person. Contact a physician immediately.

Inhalation

Remove to fresh air immediately. If victim is not breathing provide artificial respiration. Contact a physician immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: NA °C

Autoignition Point: NA °C

Flammability Class: NA

Fire And Explosion Hazards

None.

Extinguishing Media

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Fire Fighting Instructions

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

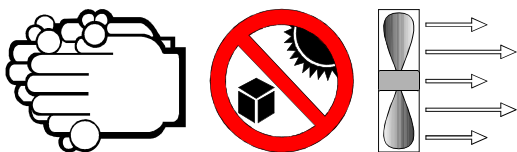
6. Accidental Release Measures

Avoid raising dust. Sweep or wipe up material and place in a sealed container. Use proper personal protective equipment. Ventilate and wash spill site after clean up is complete.

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Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions

Use with adequate ventilation.

Storage Precautions

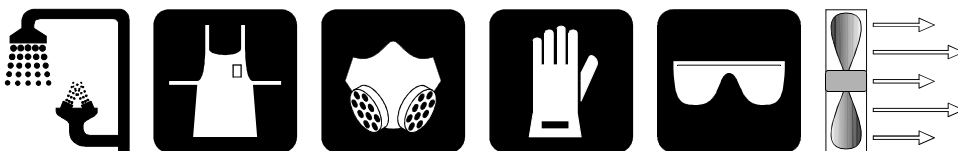
Keep in a tightly sealed container in a cool, dry well-ventilated place away from ambient light.

Work/Hygienic Practices

Always practice good personal hygiene after handling.

Material is light sensitive.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Ventilation: Local Exhaust: Required in handling area
Mechanical: Desirable to insure concentration
of material below TLV/TWA levels
Other: Closed Ventilation system (Laboratory Fume Hood)

Safety shower and eyewash

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves).

Respiratory Protection

NIOSH approved chemical cartridge respirator for dust/mist/fume/radionuclide or self-contained breathing apparatus with full face shield.

Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.

9. Physical And Chemical Properties

Appearance

Yellow powder

Chemical Type: Mixture

Physical State: Solid

Boiling Point: 1506 °C

Molecular Weight: 234.77

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9. Physical And Chemical Properties - Continued

Appearance - Continued

Vapor Pressure: NA

Vapor Density: 5.68 g/mL at 25 C (77 F)

Solubility: Insoluble

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Exposure to light

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Hydrogen iodide, silver/silver oxides.

11. Toxicological Information

Conditions Aggravated By Overexposure

May cause argyria, a slate gray or bluish discoloration of the skin and deep tissues due to the deposit of insoluble albuminate or silver.

To the best of our knowledge the chemical, physical, and toxicological properties of this compound have not been thoroughly investigated.

12. Ecological Information

No Data Available...

13. Disposal Considerations

Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation

NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

14. Transport Information

Proper Shipping Name

Considered non-hazardous for transport.

Additional Shipping Paper Description

IATA: Same as DOT. Always consult the IATA manual before shipping.

15. Regulatory Information

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA Section 313 Notification

Silver Iodide CAS: 7783-96-2

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

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16. Other Information

NFPA Rating

Health: 0

Fire: 0

Reactivity: 0

HMIS Rating

Health: 0

Fire: 0

Reactivity: 0

Personal Protection: J

Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 2.9 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

Colonial Metals, Inc. makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.

Colonial Metals, Inc.