

SAFETY DATA SHEET (SDS)



Manufacturer:
ÅngströmBond®

Product Name:
ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy,
Room Temperature & Heat Cure (2.5g)

Manufacturer Part Number:
AB2902-2.5G

▶ Click here for more details on the ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy, Room Temperature & Heat Cure (2.5g)



Safety Data Sheet
acc. to OSHA HCS

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED

Tel: 1-508-992-6464
Fax: 1-508-991-8876

Safety Data Sheet AB2902

SECTION 1: Identification

- | | | |
|-----|----------------------------------------------------------------|-----------------------------------------------|
| 1.1 | GHS Product identifier | AB2902 |
| 1.2 | Recommended use of the chemical and restrictions on use | Resin and curative kit |
| 1.3 | Supplier's details | |
| | Name | Fiber Optic Center, Inc. |
| | Address | 23 Centre Street
New Bedford, MA 02740 USA |
| | Telephone | 1-508-992-6464 |
| 1.4 | Emergency phone number | Chemtrec Emergency (800)-424-9300 |

SECTION 2: Hazard identification

- 2.1 **Classification of the substance or mixture**
GHS classification in accordance with: UN GHS revision 10
- Eye damage/irritation, Cat. 2A
 - Sensitization - skin, Cat. 1
 - Skin corrosion/irritation, Cat. 2
- 2.2 **GHS label elements, including precautionary statements**
Pictograms

Signal word
Hazard statement(s)

H319
H317
H315

Precautionary statement(s)

P264+P265
P280
P305+P351+P338

P337+P317
P261
P272
P302+P352
P333+P317
P362+P364
P501
P264
P332+P317



Warning

Causes serious eye irritation
May cause an allergic skin reaction
Causes skin irritation

Wash hands thoroughly after handling. Do not touch eyes.
Wear protective gloves / protective clothing / eye protection
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical help.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
IF ON SKIN: Wash with soap and water.
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to an approved waste disposal plant.
Wash hands thoroughly after handling.
If skin irritation occurs: Get medical help.

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SECTION 3: Composition/information on ingredients

3.1 Substances

1. Epoxy Resin

Concentration 20 - 30 % (weight)
CAS no. Proprietary

2. Silver

Concentration 50 - 75 % (weight)
EC no. 231-131-3
CAS no. 7440-22-4

3. Epoxy Diluent

Concentration 5 - 10 % (weight)
CAS no. Proprietary

4. Aliphatic Amine Curative

Concentration 5 - 10 % (weight)
CAS no. Proprietary

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

In case of skin contact Remove contaminated clothing/shoes and wash affected areas with water followed by washing with soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.

In case of eye contact In case of eye contact - Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

If swallowed DO NOT INDUCE VOMITING. Dilute with water or milk and call a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

4.2 Most important symptoms/effects, acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water fog, alcohol foam, carbon dioxide or dry chemical extinguishing media.

5.2 Specific hazards arising from the chemical

Carbon oxides

5.3 Special protective actions for fire-fighters

Material will not burn unless preheated. Firefighters should not enter confined space without full bunker gear (helmet with faces shield, bunkercoats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Extinguish all sources of ignition. Wear appropriate clothing, gloves, goggles or glasses. Provide adequate ventilation

6.2 Environmental precautions

Do not discharge into any sewage system or waterway.

6.3 Methods and materials for containment and cleaning up

Absorb with earth, sand, or other inert material and place in suitable containers for disposal.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Observe normal standard of industrial hygiene for handling chemicals. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area. Keep containers tightly closed and away from heat, direct sunlight and ignition sources.

SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls

Mechanically exhaust vapors at points of application. Maintain airborne contaminant levels of chemicals below their recommended TLV's or PEL's.

8.2 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical goggles or safety glasses with side shields.

Skin protection

Avoid prolonged or repeated contact with skin. Wear impervious gloves such as nitrile, latex, or polychloroprene and other clothing to prevent contact.

Respiratory protection

For confined areas or areas with poor ventilation, use an approved cartridge type, organic vapor respirator.

SECTION 9: Physical and chemical properties

9.1 Basic physical and chemical properties

Physical state	Liquid
Appearance	Kit
Color	A: Silver B: Amber
Odor	B: Amine-like odor
Odor threshold	Not determined
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	> 200 deg. C
Flammability	Not determined
Lower and upper explosion limit/flammability limit	Not determined
Flash point	> 150 deg. C
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Kinematic viscosity	Not determined
Solubility	Negligible
Partition coefficient n-octanol/water (log value)	Not determined
Vapor pressure	< 1mmHg
Evaporation rate	Not determined
Density and/or relative density	A: 3.1 B: 1.02
Relative vapor density	Heavier than air
Particle characteristics	No data available on product itself.

Supplemental information regarding physical hazard classes

No data available on product itself.

Further safety characteristics (supplemental)

No data available on product itself.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available on product itself.

10.2 Chemical stability

Stable under normal conditions.

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10.3 Possibility of hazardous reactions

Can react vigorously with strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases.

10.4 Conditions to avoid

Storage in open containers, sources of ignition, high temperatures and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases.

10.6 Hazardous decomposition products

Carbon monoxide, aldehydes, acids, and other organic substances can be formed during combustion, thermal, or oxidative decomposition. Reaction with some curing agents may produce considerable heat.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available. No ingredient(s) of this product are known carcinogens to humans.

Skin corrosion/irritation

Avoid prolonged or repeated contact with skin. Wear impervious gloves such as nitrile, latex, or polychloroprene and other clothing to prevent contact.

Serious eye damage/irritation

Chemical goggles or safety glasses with side shields

Respiratory or skin sensitization

For confined areas or areas with poor ventilation, use an approved cartridge type, organic vapor respirator.

Germ cell mutagenicity

No data available on product itself.

Carcinogenicity

No data available on product itself.

Reproductive toxicity

No data available on product itself.

Specific target organ toxicity (STOT) - single exposure

No data available on product itself.

Specific target organ toxicity (STOT) - repeated exposure

No data available on product itself.

Aspiration hazard

No data available on product itself.

SECTION 12: Ecological information

12.1 Toxicity

No data available on product itself.

12.2 Persistence and degradability

No data available on product itself.

12.3 Bioaccumulative potential

No data available on product itself.

12.4 Mobility in soil

No data available on product itself.

12.5 Results of PBT and vPvB assessment

No data available on product itself.

SECTION 13: Disposal considerations

13.1 Disposal methods

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

SECTION 14: Transport information

14.1 UN Number

None

14.2 UN Proper Shipping Name

None

14.3 Transport hazard class(es)

None

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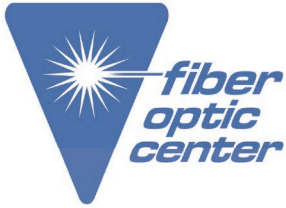
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14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Silver
CAS number: 7440-22-4

New Jersey Right To Know Components

Common name: SILVER
CAS number: 7440-22-4

Pennsylvania Right To Know Components

Chemical name: Silver
CAS number: 7440-22-4

Canadian Domestic Substances List (DSL)

Chemical name: Silver
CAS number: 7440-22-4

EU Cosmetics Allowed Colorants List, (EC) 2009/1223 Annex IV

Chemical name: Silver
CAS number: 7440-22-4

US EPA TSCA public inventory

Chemical name: Silver
CAS number: 7440-22-4

HMIS Rating

805-19A/B	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate and meets all State and Federal guidelines. However, Fiber Optic Center, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of the suitability of any material is the sole responsibility of the user. SDS prepared 28th of June 2024. Updated SDS to current GHS revision (10).

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