



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Copper Flashing
LABEL: Copper Sealite 2000 / Copper Fabric Flashing
USE & DESCRIPTION: Flashing
CHEMICAL FAMILY: Mixture

MANUFACTURED BY:
Advanced Building Products Inc.
P.O. Box 98
Springvale, ME 04083
www.advancedbuildingproducts.com

EMERGENCY TELEPHONE NUMBERS:
General Information: 1-800-252-2306 (8 A.M. – 5 P.M. EST)

2. HAZARDS IDENTIFICATION

SIGNAL WORD: WARNING
GHS CLASSIFICATION:
Skin Irritation – Category 2
Eye Irritation – Category 2B

HAZARD STATEMENTS:
Components of this product may irritate the skin or eyes.

PRECAUTIONARY STATEMENTS:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye and face protection.

If concerned get medical attention/advice.

Dispose of contents/container in accordance with local regulations.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Chemical Name	CAS No.	% by Weight
Copper			
	Copper	7440-50-8	99.5%-99.9%
	Tin	7440-31-5	<0.15%
Fiber Glass Fabric			
	Fiberglass Acrylic Acid	65997-17-3	70%-86%
	Acrylate Copolymer	NE	14%-30%
Hot Melt Adhesive			
	1-propoene, Polymer with Ethene	9010-79-1	>99.0%



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	Modifiers and additives	Proprietary blend	<1.0%
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NE = Not Established

4. FIRST-AID MEASURES

Solid copper and copper alloys in massive form do not present any health hazards through eye contact, skin contact, ingestion or inhalation. The information below relates to the dust, fines, fumes, and/or mists generated by processing of copper.

EYE CONTACT

Copper	DO NOT rub eyes if contact is suspected. Flush the eyes thoroughly with water for up to 15 minutes making sure to reach under the eyelids. Seek medical attention if irritation persists or abrasions are suspected.
Fiber Glass Fabric	Flush thoroughly with cool, clean water for up to 15 minutes making sure that under the eyelids is cleaned. Contact medical professional if irritation persists.
Hot Melt Adhesive	Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT

Copper	DO NOT rub if contact is made with the skin. Wash with plenty of soap and water. Promptly treat cuts or abrasions by thoroughly cleaning the afflicted area. Contact with molten material will cause thermal burns, cool rapidly and seek medical attention.
Fiber Glass Fabric	Wash afflicted areas with soap and water. Remove and thoroughly wash clothes/shoes before reuse. If irritation develops, get medical attention.
Hot Melt Adhesive	Wash with soap and water. Obtain medical attention if symptoms occur.

INGESTION

Copper	Rinse mouth and drink water to dilute. Seek medical attention if symptoms develop or you feel ill. Never give liquid to an unconscious person.
Fiber Glass Fabric	If ingested contact a doctor immediately.
Hot Melt Adhesive	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt, or waistband. Get medical attention if symptoms appear.

INHALATION

Copper	Remove to fresh air and keep at rest in a position that is comfortable for breathing. Seek medical attention if symptoms persist.
Fiber Glass Fabric	Remove to fresh air. Drink water to clear throat and blow nose to expel fibers.
Hot Melt Adhesive	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical advice.

MOST IMPORTANT SYMPTOMS & EFFECTS

Copper	Short term exposure to fumes or dust may produce irritation of the respiratory system. Exposure to metal fumes can produce an acute allergic condition known as “metal fume fever” which might not present itself for several hours. Symptoms of metal fume fever include chills, muscle aches, nausea, fever, dry throat, cough, weakness, and lassitude. Contact on the skin or eyes may cause irritation while contact with molten metal will cause thermal burns. Ingestion may cause nausea, vomiting, abdominal pain, metallic taste and diarrhea. Ingestion of large doses may cause stomach and intestine ulceration, jaundice and kidney or liver damage.
Fiber Glass Fabric	Irritation of the skin or eyes. Nausea, vomiting, and/or diarrhea may occur if ingested. Note to Physician:



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	There is no specific antidote to overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition of the patient.
Hot Melt Adhesive	Skin and eye irritation in the cases of contact. Repeated or prolonged exposure is not known to aggravate medical conditions.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not available

LOWER EXPLOSIVE LIMIT: Not available

UPPER EXPLOSIVE LIMIT: Not available

EXTINGUISHING MEDIA: Dry chemical or water spray, fog, or foam are acceptable. DO NOT use water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained, positive pressure breathing apparatus (SCBA) and full burnout gear.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Dust or fines may burn if they are ignited. Fumes may contain oxides of copper and other ingredients. Fine particles or dust dispersed in the air may present a fire or explosion hazard. Use of water on molten material will cause steam explosions.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: All persons dealing with the cleanup should wear appropriate chemically protective equipment. Keep people away and upwind of any spill or leak. Restrict access to the area until cleanup is complete. Avoid generating any airborne particulates.

ENVIRONMENTAL PRECAUTIONS: DO NOT allow material to contaminate the ground water system.

METHODS/MATERIAL FOR CONTAINMENT AND CLEANUP: Ventilate the area. Prevent further leakage or spillage if safe to do so. For waste disposal, see Section 13 of the SDS. Vacuum, pump or scoop spilled material into containers for reclaiming or disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Copper	As sold in the massive form, copper and copper alloys pose no chemical handling hazard. Avoid contact with sharp edges, where proper gloves when handling. Dust, fines, fume or mist generated by processing may pose a hazard through inhalation, ingestion and eye or by skin contact. Avoid breathing metal fumes and/or dust. Practice good housekeeping. Practice good hygiene. Avoid generating dusts. Eating, drinking or smoking should not be allowed in areas where these alloys are processed.
Fiber Glass Fabric	Provide adequate ventilation when using to prevent inhalation, and ingestion of dust.
Hot Melt Adhesive	Do not ingest. Caution: spillages may be slippery. Do not breathe dust. If ingested, seek medical advice immediately and show the container or label.

PRECAUTIONS FOR SAFE STORAGE:

Copper	Other than incompatibles, no special storage conditions for copper in the massive form
Fiber Glass Fabric	Store in a cool, dry place.



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Hot Melt Adhesive	Keep container lightly closed. Keep container in a cool, well-ventilated area.
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INCOMPATIBLE MATERIALS:

Copper	Strong acids, strong bases, strong oxidizers, halogens, mercury.
Fiber Glass Fabric	None known.
Hot Melt Adhesive	None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits:

COMPONENTS RAW PRODUCTS	CAS No.	OSHA		ACGIH		Unit
		TWA	STEL	TWA	STEL	
Copper	7440-50-8	N/Av	N/Av	0.2	N/Av	mg/m ³
Tin	7440-31-5	N/Av	N/Av	2	N/Av	mg/m ³
Fiberglass Acrylic Acid	65997-17-3	N/Av	N/Av	N/Av	N/Av	N/Av
Acrylate Copolymer	N/A	N/Av	N/Av	N/Av	N/Av	N/Av
1-propoene, Polymer with Ethene	N/A	N/Av	N/Av	N/Av	N/Av	N/Av
Modifiers and additives	N/A	N/Av	N/Av	N/Av	N/Av	N/Av

N/Av=Not Available

VENTILATION AND ENGINEERING MEASURES: All components should only be handled in ventilated environments to keep below the exposure limits.

RESPIRATORY PROTECTION: When working with dust products and the TLV is exceeded a NIOSH approved respirator should be used

SKIN PROTECTION: When handling hot material, use heat resistant gloves. Advice should be sought from glove suppliers. Wear sufficient clothing to prevent skin contact.

EYE/FACE PROTECTION: Safety glasses with side shields are recommended for use when dealing with all components.

OTHER PROTECTIVE EQUIPMENT: Other equipment may be required depending on workplace standards. An eye wash station and safety shower should be made available in the immediate working area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	COMPONENT
Color:	Reddish to dark brown
Physical State:	Solid (rolled sheets)
Solubility in Water:	Insoluble
Melting Point:	Not available
Specific Gravity (water = 1):	Not available
Bulk Density (lb/ft³):	Not available
Odor:	Slight metallic
Percent Volatiles:	Not available
pH:	Not applicable



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Oxidizing Properties:	Not available
Evaporation Rate:	Not available
Vapor Density (Air = 1):	Not available
Boiling Point:	Not available
Auto Ignition Temperature:	Not available
Flash Point:	Not available

10. STABILITY AND REACTIVITY

REACTIVITY: All components are stable at normal conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Copper should not be exposed to strong acids, strong bases, strong oxidizers, halogens, or mercury.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, copper may produce metal oxides and fumes. Contact on copper with strong acids will release hydrogen gas.

11. TOXICOLOGICAL INFORMATION

For symptoms and acute effects see Section 2: Hazard Identification and Section 4: First Aid Measures.

POTENTIAL CHRONIC HEALTH EFFECTS:

Copper	Copper	Overexposure to copper fumes may cause metal fume fever. Additionally, mucous membranes may become damaged after chronic exposure to copper dust.
	Tin	Tin has been shown to increase incidences of sarcoma in animal testing. Chronic exposure to tin dusts and fumes through inhalation may result in a mild form of pneumoconiosis called "stannosis."
Fiber Glass Fabric	Fiber Glass	Coating resin may contain trace amounts of formaldehyde. Formaldehyde is identified by ACGIT, OSHANTP and IARC as a potential carcinogen. Formaldehyde has also been shown to cause mutations in a variety of in-vitro test systems. There should be minimal risk when used with ventilation adequate to keep the concentration below the recommended exposure limit.
Hot Melt Adhesive		Chronic or long term exposure to this material is not known to aggravate medical conditions.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Copper (CAS No. 7440-50-8)	
LC50 Fish 1	<= 0.0068 – 0.0156 mg/l (Exposure time: 96 h – Species: Pimephales promelas)
EC50 Daphnia 1	0.03 mg/l (Exposure time: 48 h – Species: Daphnia magna[Static])
EC50 Other Aquatic Organisms 1	0.0426 – 0.0535 mg/l (Exposure time: 72 h – Species: Pseudokirchneriella subcapitata [Static])
LC50 Fish 2	0.3 mg/l (Exposure time: 96 h – Species: Pimephales promelas [Static])
EC50 Other Aquatic Organisms 2	0.031-0.054 mg/l (Exposure time: 96 h – Species: Pseudokirchneriella subcapitata [Static])

PERSISTENCE AND DEGRADABILITY: All components have either not been tested or are not biodegradable.

POTENTIAL FOR BIOACCUMULATION: No information on the potential for bioaccumulation of any component is available.



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SOIL MOBILITY: All components have not been tested.

OTHER ADVERSE EFFECTS (OZONE, ETC.): No specific other adverse effects are known for any component.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:

Copper	Recycle all solid copper and copper alloy scrap. Dust, fines or powders should also be recycled or classified by an environmental professional and disposed of in accordance with all local, regional, national, provincial, territorial, and international regulations.
Fiber Glass Fabric	In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill in accordance with federal, provincial, and local regulations.
Hot Melt Adhesive	The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable. Waste, even small quantities, should never be poured down drains, sewers, or water courses.

14. TRANSPORT INFORMATION

No material included in this mixture is regulated nor is the product itself. During transportation the product should be kept dry, cool, and avoid contact with any oxidizing agents or strong alkalis.

15. REGULATORY INFORMATION

Copper	TCSA Inventory: Yes (Copper, Tin, Tellurium, Silver, Phosphorus elemental) SARA Title III Sec. 302, Extremely Hazardous Substances, 40 CFR 366: Phosphorous elemental: 100 lb. TPQ SARA Title II Sec. 313, Specific Toxic Chemical, 40 CFR 372: Copper de minimus concentration: 1%, Silver de minimus concentration 1%, phosphorous elemental de minimus concentration: 1% (yellow or white) SARA Reportable Quantity: Silver: 1000 lb. < 100 um
Fiber Glass Fabric	N/A
Hot Melt Adhesive	N/A



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16. OTHER INFORMATION

PARTY RESPONSIBLE FOR THE PREPERATION OF THIS DOCUMENT:

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Springvale, ME 04083

1-800-252-2306

www.advancedbuildingproducts.com

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DISCLAIMER OF LIABILITY

Advanced Building Products Inc. based on our current knowledge, believes the information contained herein to be accurate and reliable as of the date issued. Advanced Building Products Inc. does not warrant or guarantee their accuracy or reliability, and Advanced Building Products Inc. shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy his/her self that they are suitable and complete for the user's intended use.