



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Copper Flashing
LABEL: Copper Shield PC
USE & DESCRIPTION: Residential 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.
 If converted to small particles during further processing, handling, or by other means,
 may form combustible dust concentrations in air.

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%
Hot Melt Adhesive	1-propoene, Polymer with Ethene	9010-79-1	>99.0%
	Modifiers and additives	Proprietary blend	<1.0%



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

Polyethylene Homopolymer		
	Antiblock (Exact chemical name withheld as trade secret by supplier. *	<0.25%
	Antiblock (Exact chemical name withheld as trade secret by supplier. *	<1%-5%

NE = Not Established

* As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition has been withheld.

4. FIRST-AID MEASURES

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.
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.
Polyethylene Homopolymer	Flush thoroughly with water for at least 15 minutes making sure to get under the eyelids. Get medical assistance.

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.
Hot Melt Adhesive	Wash with soap and water. Obtain medical attention if symptoms occur.
Polyethylene Homopolymer	Not expected to have any adverse effects in final state. For hot product: immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

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.
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.
Polyethylene Homopolymer	No adverse effects due to ingestion are expected.

INHALATION

Copper	Remove to fresh air and keep at rest in a position that is comfortable for breathing. Seek medical attention if symptoms persist.
Hot Melt Adhesive	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical advice.
Polyethylene Homopolymer	At ambient/normal temperatures, no adverse effects due to inhalation of dust are expected. In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped.



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

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.
Hot Melt Adhesive	Skin and eye irritation in the cases of contact. Repeated or prolonged exposure is not known to aggravate medical conditions.
Polyethylene Homopolymer	May cause minimal irritation to the skin or eyes upon contact. Repeated or prolonged exposure is not known to aggravate any 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. Assure an extended cooling down period to prevent re-ignition.

UNUSUAL FIRE OR EXPLOSION HAZARDS: explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.

HAZARDOUS COMBUSTION PRODUCTS: Flammable hydrocarbons, oxides of carbon, incomplete combustion products, smoke, fume

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: All persons dealing with the cleanup should wear appropriate chemically protective equipment. Restrict access to the area until cleanup is complete. Avoid generating any airborne particulates. Avoid creating dusty conditions whenever feasible.

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

METHODS/MATERIAL FOR CONTAINMENT AND CLEANUP: Ventilate the area. For waste disposal, see Section 13 of the SDS. Vacuum, pump or scoop spilled material into containers for reclaiming or disposal. Avoid contact with spilled material. Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

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
---------------	--



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

	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.
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.
Polyethylene Homopolymer	Minimize dust generation and accumulation. Maintain good housekeeping to avoid accumulation of dust on exposed surfaces. Dust may pose a combustible dust hazard. Provide adequate precautions to ignition sources, such as electrical grounding and bonding, inert atmosphere or non-sparking tools.

PRECAUTIONS FOR SAFE STORAGE:

Copper	Other than incompatibles, no special storage conditions for copper in the massive form
Hot Melt Adhesive	Keep container lightly closed. Keep container in a cool, well-ventilated area.
Polyethylene Homopolymer	Keep in a cool, dry place away from open flame and other sources of ignition.

INCOMPATIBLE MATERIALS:

Copper	Strong acids, strong bases, strong oxidizers, halogens, mercury.
Hot Melt Adhesive	None known.
Polyethylene Homopolymer	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
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
Antiblock	N/A	N/Av	N/Av	0.025	N/Av	mg/m ³

NE = Not Established

VENTILATION/ENGINEERING MEASURES: All components should only be handled in ventilated environments to keep below the exposure limits. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present.

RESPIRATORY PROTECTION: Use NIOSH-approved filtering face piece respirator (“dust mask”) and goggles where ventilation is not possible and exposure limits may be exceeded.

SKIN PROTECTION: No skin protection is necessary under normal conditions.

EYE/FACE PROTECTION: Approved goggles or tight fitting safety glasses are recommended when excessive exposures to dust may occur and when eye irritation may occur.

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.



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	COMPONENT
Color:	Red to Brown
Physical State:	Solid sheets
Solubility in Water:	Insoluble
Melting Point:	Not available
Specific Gravity (water = 1):	Not available
Bulk Density (lb/ft ³):	Not available
Odor:	None to slight metallic
Percent Volatiles:	Not available
pH:	Not available
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."
Hot Melt Adhesive		Chronic or long term exposure to this material is not known to aggravate medical conditions.
Kraft Paper		Not shown to produce significant disease or toxic effects when exposure limits are met.



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

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: No data available for the product's persistence or degradability.

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

SOIL MOBILITY: None of the components have been tested for soil mobility.

OTHER ADVERSE EFFECTS (OZONE, ETC.): No specific adverse environmental 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.
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.
Polyethylene Homopolymer	Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

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) SARA Title III Sec. 302, Extremely Hazardous Substances, 40 CFR 366: N/A SARA Title II Sec. 313, Specific Toxic Chemical, 40 CFR 372: Copper de minimus concentration: 1% SARA Reportable Quantity: N/A
Hot Melt Adhesive`	N/A
Polyethylene Homopolymer	OSHA HazCom 2012, 29 CFR 1910.1200.: Hazardous CWA/OPA: Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit.



ADVANCED
Building Products Inc.

SAFETY DATA SHEET

	Antiblock: Various antiblocks in this product have been listed on the ACGIH A2, CA P65 CARC, MN RTK, NJ,RTK, and PA RTK lists.
--	---

16. OTHER INFORMATION

PARTY RESPONSIBLE FOR THE PREPERATION OF THIS DOCUMENT:

Advanced Building Products Inc.

P.O. Box 98

Springvale, ME 04083

1-800-252-2306

www.advancedbuildingproducts.com

PREPARATION DATE: 09/14/2015

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.



ADVANCED
Building Products Inc.

SAFETY DATA SHEET