

SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME

IB Roof Systems, Inc.
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 Irving, Texas 75063
 Information: 800-426-1626
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 Safety Data Sheet Competent Person: Technical@ibroof.com

EMERGENCY TELEPHONE

3E Emergency Response U.S. 855-280-2834
 3E Emergency Response International 760-602-8703

DATE PREPARED: July 15, 2013

REVISION DATE: March 4, 2014

PRODUCT NAME:

IB PVC MEMBRANES

Including: Standard IB PVC, ChemGuard, DeckShield, Traditions, Non-Reinforced Sheet

FORMULA:

Article

PRODUCT USE:

Installed on flat/low-sloped roofs for waterproofing.

Section 2: Hazards Identification

Regulation (EC) No 1272/2008

GHS Hazard Class

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Signal word:

Hazard Statement:

Precautionary Statements:

Prevention
 Response
 Storage
 Disposal

No Precautionary statement
 No Precautionary statement
 No Precautionary statement
 No Precautionary statement

HAZARD CLASSIFICATION:

Not classified as hazardous based on IATA, IMDG, and DOT.

FIRE AND EXPLOSION:

Not considered flammable or combustible, but this product will burn if involved in a fire.

POTENTIAL HEALTH EFFECTS:

<5 % of mixture consists of ingredients of unknown acute toxicity

INGESTION:

Not normally a route of exposure

INHALATION:

Respiratory irritation is possible due to processing vapors when heated sufficiently to cause mass melting of the polymer, such as during heat welding.

SKIN CONTACT:

Skin irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding.

EYE CONTACT:

Eye irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding.

OTHER:

None

CHRONIC EFFECTS OF OVEREXPOSURE:

None

APPEARANCE:

Solid material. Primarily White, Cool Sand, Tan, Grey, Red, Brown, Evergreen, and various custom colors

NFPA Rating:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
IB PVC MEMBRANES	1	0	0	--

Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPRX %	ACGIH TLV	OSHA PEL	NIOSH REL	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	RISK PHRASE	DSL CANADA	TSCA
Antimony Oxide	<5	0.5 mg/m3	0.5 mg/m3	----	1309-64-4	----	Xn	R40	Y	Y
Calcium Carbonate	<15	----	----	----	1317-65-3	215-279-6	----	----	Y	Y
Ba-Zn Stabilizer	<2	----	----	----	TS	----	----	----	Y	Y
Vinyl Fabric Laminate PVC	>40	----	----	----	9002-86-2	N/N	----	----	Y	Y
Phthalate Plasticizer	<50	----	----	----	TS	----	----	----	Y	Y

Trade Secret (TS) Some items on this MSDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The full text for all R-Phrases is shown in Section 16.

Section 4: First Aid Measures

INHALATION: Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.

SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

INGESTION: If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

Section 5: Fire-fighting Measures

FLASH POINT: Not applicable

FLAMMABLE LIMITS IN AIR (% by vol): Not applicable

EXTINGUISHING MEDIA: Use CO2 (carbon dioxide) dry chemical, or foam.

SPECIAL FIREFIGHTING PROCEDURES: Avoid breathing vapors, gases, and fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
 No potential for this product to be released or spilled.
 Wear proper protective equipment as specified in Section 8: Exposure Controls/Personal Protection

Disposal method: disposal should be made in accordance with federal, state and local regulations.

Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 In operations such as heat welding or thermoforming involving heat sufficient to cause melting of the polymer, irritating fumes may be evolved. Adequate ventilation should be provided.
 Avoid inhalation of processing fumes.
 Wear proper protective equipment and avoid contact with eyes.
 Wash hands after handling this material.
 Follow all applicable local regulations for handling and storage.

INFORMATION ON EMPTIED CONTAINER: Not applicable

SPECIFIC USES: Installed on flat/low-sloped roofs for waterproofing.

Section 8: Exposure Controls/Personal Protection

VENTILATION:	Local exhaust, especially if irritation occurs from fumes.
SPECIAL VENTILATION CONTROLS:	Special ventilation precautions not required
RESPIRATORY PROTECTION:	No respiratory protection normally required.
PROTECTIVE GLOVES:	Recommend use of gloves when handling hot material.
EYE PROTECTION:	Recommend eye protection using safety glasses or goggles.
SKIN PROTECTION:	Suitable protective clothing to prevent skin contact is recommended.
WORK/HYGIENE PRACTICES:	Provide good personal hygiene after handling. Avoid contact with eyes. Wash hands after handling.

Section 9: Physical and Chemical Properties

APPEARANCE - COLOR:	Primarily White, Cool Sand, Tan, Grey, Red, Brown, Evergreen, and various custom colors
PHYSICAL STATE:	Solid
ODOR:	Characteristic vinyl odor

PRODUCT CRITERIA

	PRODUCT CRITERIA
ODOR THRESHOLD	Not applicable for product
PH	Not applicable for product
FLASH POINT:	Not applicable for product
LOWER EXPLOSIVE LIMIT; UPPER EXPLOSIVE LIMIT	Not applicable for product
FLAMMABILITY (Solid, gas)	Not applicable for product
EXPLOSIVE PROPERTIES	Not applicable for product
OXIDIZING PROPERTIES	Not applicable for product
SPECIFIC GRAVITY (@ 25 °C):	1.50
EVAPORATION RATE:	Not applicable for product
% VOLATILE by VOLUME	Not applicable for product
PARTITION COEFFICIENT	Not applicable for product
AUTO IGNITION TEMPERATURE	Not applicable for product
DECOMPOSITION TEMPERATURE	Not applicable for product
BOILING POINT:	Not applicable for product
MELTING POINT:	160 °C (vinyl component)
VAPOR PRESSURE	Not applicable for product
VAPOR DENSITY (AIR = 1)	Not applicable for product
SOLUBILITY IN WATER:	Not applicable for product
WATER SOLUBILITY IN THE SOLVENT	Vinyl component soluble in MEK, methanol
FREEZING POINT:	Not applicable for product
VISCOSITY	269 Pa·s (@ 25°C)
VOC CONTENT	Not Available for product

Section 10: Stability and Reactivity

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Open flame, static discharges, sparks, all sources of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID):	None
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and carbon dioxide. Hydrogen chloride can be released on thermal decomposition at elevated temperatures.
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

There is no toxicological information available for the product mixture.

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity	LD50 (Oral/Rat):	>34,600 mg/kg		Antimony Trioxide
	LD50 (Dermal/Rabbit):	>2000 mg/kg		Antimony Trioxide
Skin Corrosion/Irritation		No information is available.		
Serious Eye Damage / Eye Irritation		No information is available.		
Respiratory or Skin Sensitization		No information is available.		
Germ Cell Mutagenicity		No information is available.		
Carcinogenicity		Not listed	NTP	
		Not listed	IARC	
		Not listed	OSHA	
Reproductive Toxicity		No information is available.		
STOST -- Single Exposure		No information is available.		
STOST – Repeated Exposure		No information is available.		
Aspiration Hazard		No information is available.		

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION:

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

	Chemical
BIODEGRADATION:	No information is available.
BIOACCUMULATION:	No information is available.
ECO TOXICITY:	No information is available.
MOBILITY:	No information is available.

Note: No environmental hazards were identified based on a review of available data for the ingredients in this product. Not all of the ingredients have been tested for Ecotoxicity.

Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS:

Follow the waste disposal requirements of your country, state, or local authorities.
Waste material may be recycled.

CONTAMINATED PACKAGING:

Recommend contaminated packaging material should be disposed as stated above for residues and unused product.

Section 14: Transport Information

<u>DOT TRANSPORT:</u>		Not Regulated
<u>ADR = International Carriage of Dangerous Goods by Road</u>		Not Regulated
<u>RAIL TRANSPORT:</u>		Not Regulated
<u>SEA TRANSPORT:</u>	IMDG	Not Regulated
<u>AIR TRANSPORT:</u>	IATA/ICAO	Not Regulated

Section 15: Regulatory Information

Directive 1999/45/EC Not applicable
LABEL FOR SUPPLY: None
RISK PHRASES: None

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are listed on the TSCA Inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: Antimony Trioxide

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: Antimony Trioxide

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	Antimony Trioxide
Pennsylvania hazardous substance code(s):	Ethylene, chloro-homopolymer, Antimony Trioxide
New Jersey	Ethylene, chloro-homopolymer, Antimony Trioxide
Illinois	Not listed
Michigan	Not listed

CANADA:

This MSDS/SDS will be non-compliant 3 years after the issue date. This MSDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, Current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to not be WHMIS controlled.

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Directive 1999/45/EC, Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substances and mixtures.

WGK: 0 (German Federal Water Management Act) (Water Hazard Class)

Section 16: Other Information

European Community Hazards Identification:

R: 40 Limited evidence of carcinogenic effect.
S: (2-) Keep out of the reach of children.
S: 22 Do not breath dust.
S: 36/37 Wear suitable protective clothing and gloves.
Danger Symbol(s): Xn Harmful

Revision Comments: Initial version March 4, 2014

Revision Number: 0

Information Sources: RTECS, REACH, OSHA 29CFR 1910.1200

IMPORTANT INFORMATION: The information and recommendations presented herein were obtained from sources which we believe are reliable, and we believe that the information is complete and accurate as of the date issued. However, **NO WARRANTY OR REPRESENTATION IS EXPRESSED OR IMPLIED THAT THE INFORMATION PROVIDED HEREIN, IS ACCURATE, COMPLETE OR REPRESENTATIVE.** We assume no responsibility for injury to the user, buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. We also assume no responsibility for injury to the user, buyer, the buyer's employees, or any third persons, caused by abnormal use of this product, even if reasonable safety procedures are followed. Since conditions for use of this product are not under the control of the manufacturer, it is ultimately the buyer's/user's duty to determine the conditions necessary for the safe storage, use and disposal of this product. It is also the buyer's/user's responsibility to ensure its activities, including without limitation the storage, use and disposal of this product, comply with all applicable federal, state, provincial or local laws and local good practices. Legal and regulatory requirements are subject to change and may differ between various locations, so it is the buyer's/user's responsibility to review all such laws, rules, or regulations. If you have obtained this Safety Data Sheet from any source other than IB Roof Systems or if you are not sure that the Safety Data Sheet you have is current, please contact us for the most current version.