



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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EMERGENCY TELEPHONE

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

DATE PREPARED: January 8, 2015

REVISION DATE: January 8, 2015

PRODUCT NAME: **IB PVC GR CLASS MEMBRANES**

Including: IB PVC GR-60, IB PVC GF-60FB, IB PVC GR Cover Strip, IB PVC GR Detailing Membrane, IB Flexible Metal Profile.

FORMULA: Article
PRODUCT USE: High performance PVC roofing membrane.

Section 2: Hazards Identification

GHS Hazard Class Not Applicable. This product does not meet the physical, health, or environmental classification criteria of GHS (Globally Harmonized System).

Hazard(s) Not Otherwise Classified (HNOC): Not classified

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. Product emits toxic fumes when burned.
POTENTIAL HEALTH EFFECTS: <0 % of mixture consists of ingredients of unknown acute toxicity
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 GR CLASS MEMBRANES	1	0	0	--

Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPRX %	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	RISK PHRASE	R-RISK PHRASE	DSL CANADA
Antimony Oxide	<5	1309-64-4	215-175-0	Xn	R40	Carc 2 H351	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

Description of 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.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation	Respiratory irritation is possible due to processing vapors when heated sufficiently to cause mass melting of the polymer, such as during heat welding
Symptoms/Injuries After 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.
Symptoms/Injuries After 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.
Symptoms/Injuries After Ingestion	Not normally a route of exposure

Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

Section 5: Fire-fighting Measures

Suitable extinguishing media	Use CO ₂ (carbon dioxide), dry chemical, or foam.
Special hazards arising from the substance or mixture	Avoid breathing vapors, gases, and fumes.
Protective actions fire-fighters	Wear standard protective equipment and self contained breathing apparatus for firefighting if necessary.
Further information	Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Evacuate unnecessary personal

Environmental precautions

No potential for this product to be released or spilled.

Methods and materials for containment and cleaning up

N/A solid sheeting material

Reference to other Sections For personal protection reference section 8. For disposal reference section 13.

Section 7: Handling and Storage

Precautions for safe handling

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.



Conditions for safe storage, including any incompatibilities

Storage conditions: Store material away from heat and flame.
 Incompatible products: Strong bases. Strong acids.
 Incompatible materials: Sources of ignition.

Specific uses

High performance PVC roofing membrane.

Section 8: Exposure Controls/Personal Protection

Control Parameters

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH REL	U.S. WEEL TWA	EU IOELV TWA (mg/m ³)	United Kingdom WEL TWA (mg/m ³) STEL (ppm)	Canada OEL	Mexico OEL
Antimony Oxide	0.5 mg/m ³	0.5 mg/m ³	-----	-----	-----	-----	-----	-----

Exposure controls

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

	PRODUCT CRITERIA
APPEARANCE - COLOR:	Variable in color; Dependent on the composition
PHYSICAL STATE:	Solid
ODOR:	Characteristic vinyl odor
ODOR THRESHOLD	Not Available for product
PH	Not Available for product
MELTING POINT/FREEZING POINT:	Not Available for product
INITIAL BOILING POINT AND BOILING RANGE:	No data available
FLASH POINT:	No data available
EVAPORATION RATE:	Not Available for product
FLAMMABILITY (Solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not Measured
VAPOR PRESSURE	Not Available for product
VAPOR DENSITY (AIR = 1)	Not Available for product
RELATIVE DENSITY (@25 °C):	1.2 – 1.3
SOLUBILITY (IES)	<0.1 g/100ml -- <0.001 g/100ml
OXIDIZING PROPERTIES	Not Available for product
PARTITION COEFFICIENT: n-octanol/water	Not Available for product
AUTO IGNITION TEMPERATURE	Not Available for product
DECOMPOSITION TEMPERATURE	Not Available for product
VISCOSITY	Not Available for product

Section 10: Stability and Reactivity

Reactivity:	No additional information available
Chemical Stability:	Stable under recommended conditions.
Possibility of Hazardous Reactions:	Will not occur under normal temperatures and pressures.



Conditions to Avoid:

Incompatibility (Materials to Avoid):

Hazardous Decomposition Products:

No additional information available

Acids and Bases.

Decomposition products include carbon monoxide, carbon dioxide, and fumes of aromatic and aliphatic hydrocarbons.

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	
		2B - Possibly carcinogenic to humans	IARC	Antimony Trioxide
		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

DOT TRANSPORT:

Not Regulated

ADR = International Carriage of Dangerous Goods by Road

Not Regulated

RAIL TRANSPORT:

Not Regulated

SEA TRANSPORT:

IMDG

Not Regulated

AIR TRANSPORT:

IATA/ICAO

Not Regulated



Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA.

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, carbon black

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):	Antimony Trioxide
New Jersey	Antimony Trioxide, Carbon black
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; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures. None of the chemicals used in this product are on the EU's REACH SVHC (Substances of Very High Concern) chemicals list (as of June 16, 2014).

Section 16: Other Information

Full text of R-phrases and Safety Phrases referred to in Section 3

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

Full text of H and P Statements referred to in sections 2 and 3.

Carc. 2	Carcinogenicity Category 2
H351	Suspected of causing cancer

Initial issue date:	January 9, 2015
Final revision date:	January 9, 2015
Revision Number:	0
Information Sources:	RTECS, ECHA, REACH, OSHA 29CFR 1910.1200



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