



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

#### SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAMES	Protectobase 180
TRADE NAME	Membrane and Cover Board Composite Panel
PRODUCT NUMBERS	0920001, 0920002
CHEMICAL FAMILY	Not applicable
FORMULA	Mixture of asphalt, polymers, inert mineral filler, bonded to fiberglass mats, and laminated with polymer modified asphalt base sheet
PRODUCT USE	Flat / Low-slope roofing
MANUFACTURER/SUPPLIER	IKO Industries Ltd. 87 Orenda Road Brampton, Ontario L6W 1V7
WEBSITE	<a href="http://www.iko.com">www.iko.com</a>
EMERGENCY NUMBER	CANUTEC: 1-613-996-6666 (24 hours information only)

#### SECTION 2 – HAZARD IDENTIFICATION

##### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The products listed above are considered end-use or manufactured articles, and are not included in the scope of WHMIS 2015 and Globally Harmonization System (GHS). As such, the GHS/WHMIS labeling elements and classification are not included on this SDS.

SIGNAL WORD	Not applicable
SYMBOL(S)	Not applicable
CLASSIFICATION	Not applicable
HAZARD STATEMENTS	H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H351 Suspected of causing cancer
PRECAUTIONARY STATEMENTS	P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P281 Use personal protective equipment as required. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P314 Get medical advice/attention if you feel unwell. P308+P313 If exposed or concerned: Get medical attention.



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

P501 Dispose of content/container in accordance with local/regional/national/international regulation.

NFPA No information available.

HMIS No information available.

#### SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER	
ASPHALT CORE BOARD	Limestone	60 - 80	1317-65-3
	Oxidized Asphalt (Bitumen)	10 - 30	64742-93-4
	Fiberglass Mat	1 - 5	65997-17-3
	Crystalline Silica (Quartz)	≤ 1.5	14808-60-7
	Polyisocyanurate Foam Dust	0.5 - 1.5	n/a
SBS MODIFIED BASE SHEET	Asphalt (Bitumen)	10 - 30	8052-42-4
	Oxidized Asphalt (Bitumen)	10 - 30	64742-93-4
	Limestone	10 - 30	1317-65-3
	Sand	7 - 13	n/a
	Polyester Mat	5 - 10	n/a
	Polymers	1 - 5	(proprietary mix)
	Crystalline Silica (Quartz)	1 - 5	14808-60-7
	Polyethylene Film	0.1 - 1	9002-88-4

Note: During heat welding or hot mopping of product (if applicable), small amounts of toxic hydrogen sulfide H<sub>2</sub>S (CAS 7783-06-4) may be generated.

#### SECTION 4 – FIRST AID

**INHALATION** If affected by asphalt odor or if exposed to asphalt fumes (when heated), remove victim to fresh air. Seek medical aid for significant exposure to asphalt fumes or if symptoms persist.

**INGESTION** Not expected to be ingested. If ingested: rinse mouth, drink plenty of water and immediately call for medical help.

**SKIN CONTACT** Routine first aid treatment for cuts and abrasions from handling. Wash hands with soap and water after handling. For contact with heated product, cool body part by water immersion or shower. Do not try to remove product from affected area. Seek immediate medical attention.

**EYE CONTACT** Flush affected eye in a stream of water for at least 15 minutes. Consult doctor if eye(s) are inflamed.



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

ACUTE AND CHRONIC SYMPTOMS

Refer to "Section 11 - Toxicological Information" for additional information.

MEDICAL ATTENTION

No additional information available.

#### SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, dry chemical, or carbon dioxide

FIRE FIGHTING

No specific information available.

FLAMABILITY

Not flammable

PROPERTIES:

FLASH POINT Not applicable

FLAMMABLE LIMITS IN AIR Not applicable

AUTO IGNITION TEMPERATURE Not applicable

SPECIAL PPE FOR FIRE-FIGHTERS Use NIOSH approved self-contained breathing equipment when exposed to product flames or fire, as product will emit very toxic fumes on thermal degradation.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Ensure adequate ventilation. If in heated state, allow material to cool down before removal. Wear personal protection equipment as described in "Section 8 - Exposure Control and Personal Protection".

ENVIRONMENTAL PRECAUTIONS

No information available

SPILL MANAGEMENT

Normal housekeeping measures. Pick up large pieces and dispose of in accordance with Local, State, Federal and Provincial regulations.

#### SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

When handling the material, wear the appropriate personal protective equipment described in "Section 8 - Exposure Control and Personal Protection".

STORAGE PRECAUTIONS

Store in a dry location protected from the elements, high temperature and flames/sparks.



# SAFETY DATA SHEET 1286

## PROTECTOBASE 180

### OTHER PRECAUTIONS

Comply with local safety standards and codes for roof work. Always use Fall Protection Systems when working on roofs. Do not walk on material that has not been securely fastened to the roof deck.

### SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
Oxidized Asphalt (Bitumen) Fumes	TWA : 5 mg/m <sup>3</sup>	TWA : 0.5 mg/m <sup>3</sup>	TWA : 0.5 mg/m <sup>3</sup>	No information available	TWA : 0.5 mg/m <sup>3</sup>
Crystalline Silica (Quartz)	TWA : 0.025 mg/m <sup>3</sup>	TWA : 0.10 mg/m <sup>3</sup>	TWA : 0.025 mg/m <sup>3</sup>	TWA : 0.05 mg/m <sup>3</sup>	TWA : 0.025 mg/m <sup>3</sup>
Hydrogen Sulfide	TWA : 10 ppm Ceiling : 15 ppm	TWA : 10 ppm STEL : 15 ppm	Ceiling : 10 ppm	Ceiling : 20 ppm Peak : 50 ppm	TWA : 1 ppm STEL : 5 ppm

### ENGINEERING MEASURES

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### PERSONAL PROTECTIVE EQUIPMENT:

**RESPIRATORY PROTECTION** Not required under normal conditions of use. Wear NIOSH approved respiratory protection if dust or asphalt fume levels are above standard exposure limits.

**SKIN AND BODY PROTECTION** Minimize skin contact. Protective gloves may be used when handling material.

**EYE PROTECTION** Use safety glasses or goggles when necessary.

**HYGIENE MEASURES** Wash hands with soap after handling.

**OTHER CONTROLS** If contact is unavoidable, wear all necessary protective gear.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE (PHYSICAL STATE, COLOR etc.)** Solid, black, sheet material

**ODOR** Slight asphalt odor

**ODOR THRESHOLD** No information available.

**PH** No information available.

**MELTING POINT/FREEZING POINT** No information available.



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

INITIAL BOILING POINT AND BOILING RANGE	Not applicable.
FLASH POINT	Not applicable.
EVAPORATION RATE	Not applicable.
FLAMMABILITY	Not flammable.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Not applicable.
VAPOR PRESSURE	Not applicable.
VAPOR DENSITY	No information available.
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	No information available.
SPECIFIC GRAVITY	> 1.0
VISCOSITY	No information available.

#### SECTION 10 – STABILITY AND REACTIVITY

##### REACTIVITY:

CHEMICAL STABILITY	Stable at ambient temperatures
POSSIBILITY OF HAZARDOUS REACTIONS	No information available
CONDITIONS TO AVOID	Avoid excessive heat.
INCOMPATIBLE MATERIALS	Strong oxidizers, strong acids, alkalis
HAZARDOUS DECOMPOSITION PRODUCTS	CO <sub>x</sub> , SO <sub>x</sub> , NO <sub>x</sub> , smoke, hydrogen sulphide



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

#### SECTION 11 – TOXICOLOGICAL INFORMATION

##### ACUTE/CHRONIC TOXICITY

WARNING: This product may contain crystalline silica (quartz). IARC MONOGRAPH VOLUME 68, 1997 concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC classification: Group 1

WARNING: This product may contain oxidized bitumens. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumens and their emissions during roofing operations are probably carcinogenic to humans". This warning may be updated at such time as a final determination is made and IARC has published its monograph on the matter. IARC classification: Group 2A.

The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumens and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapors or mists.

##### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information available.

##### PRIMARY ROUTE OF EXPOSURE

Inhalation

##### HEALTH EFFECTS:

**EYES** If the product is heated, asphalt fumes are moderately irritating to the eye.

**SKIN** Possible skin irritation and dermatitis. If the product is heated, the hot material may cause thermal burns.

**INHALATION** Asphalt odor or asphalt fumes (when heated) may cause mild respiratory irritation, nausea, headache and/or dizziness.

**INGESTION** Ingestion is unlikely. If ingested, may cause irritation of the digestive tract.

##### STOT (SPECIFIC TARGET ORGAN TOXICITY)-SINGLE EXPOSURE

No information available.

##### STOT (SPECIFIC TARGET

No information available.



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

#### ORGAN TOXICITY) – REPEATED EXPOSURE

##### CARCINOGENICITY

Crystalline silica (quartz) is listed as IARC Group 1 (is carcinogenic to humans).

Oxidized asphalt is listed as IARC Group 2A (probably carcinogenic to humans).

##### REPRODUCTIVE TOXICITY:

##### DEVELOPMENT OF OFFSPRING

No information available.

##### SEXUAL FUNCTION AND FERTILITY

No information available.

##### GERM CELL MUTAGENICITY

No information available.

#### SECTION 12 – ECOLOGICAL INFORMATION

##### ECOTOXICITY

No information available.

##### PERSISTENCE & DEGRADABILITY

No information available.

##### BIODEGRADATION MOBILITY

No information available.

##### BIOACCUMULATION POTENTIAL

No information available.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

##### DISPOSAL RECOMMENDATIONS

Follow federal, provincial/state and municipal regulations.

#### SECTION 14 – TRANSPORT INFORMATION

No information available.

#### SECTION 15 - REGULATIONS

No information available.



## SAFETY DATA SHEET 1286

### PROTECTOBASE 180

#### SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	March 11, 2020
REPLACES THE MSDS/SDS FROM	(NEW)
PREPARED BY	HSE department
GENERAL INFORMATION	1-888-766-2468
WEBSITE	<a href="http://www.iko.com">www.iko.com</a>
OTHER INFO/DISCLAMERS	Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

NOTE: Under government regulations, an SDS is not required for this material; it is an end use product.