



SAFETY DATA SHEET 1214

PROTECTOBOARD

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAMES	Protectoboard
TRADE NAME	Mineral Surface Fiberglass Reinforced Asphaltic Core Board, Protection Board, Roof Walkway Board
PRODUCT NUMBERS	0910002 - 0910047
CHEMICAL FAMILY	Not applicable
FORMULA	Mixture of asphalt, polymers, inert mineral filler, bonded to fiberglass mats.
PRODUCT USE	Flat / Low-slope roofing
MANUFACTURER/SUPPLIER	IKO Industries Ltd. 87 Orenda Road Brampton, Ontario L6W 1V7
WEBSITE	www.iko.com
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.



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P308+P313 If exposed or concerned: Get medical attention.
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
Oxidized Asphalt (Bitumen)	20 - 25	64742-93-4
Limestone	70 – 80	1317-65-3
Fiberglass Mat	0 – 5	n/a

Note: During heat welding or hot mopping of product (if applicable), small amounts of toxic hydrogen sulfide H₂S (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.
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.



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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.

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.



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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 ³	TWA : 0.5 mg/m ³	TWA : 0.5 mg/m ³	No information available	TWA : 0.5 mg/m ³
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.

INITIAL BOILING POINT AND BOILING RANGE Not applicable.

FLASH POINT Not applicable.

EVAPORATION RATE Not applicable.



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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 _x , SO _x , NO _x , smoke, hydrogen sulphide

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY	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.
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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
ORGAN TOXICITY) –
REPEATED EXPOSURE

No information available.

CARCINOGENICITY

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.



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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.
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SECTION 14 – TRANSPORT INFORMATION

No information available.

SECTION 15 - REGULATIONS

No information available.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	January 23, 2018
REPLACES THE MSDS/SDS FROM PREPARED BY	June 30, 2017 HSE department
GENERAL INFORMATION	1-888-766-2468
WEBSITE	www.iko.com
OTHER INFO/DISCLAIMERS	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



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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.