



## SAFETY DATA SHEET 1911

### IKOTHERM, IKOTHERM III, IKOTHERM COVERSHIELD, ENERFOIL, ENER-AIR,

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

PRODUCT NAMES	IKOTherm, IKOTherm III, IKOTherm CoverShield, Enerfoil, Ener-Air
TRADE NAME	Polyisocyanurate Insulation
PRODUCT NUMBERS	4180xxx, 4181001, 4181002, 4200xxx
CHEMICAL FAMILY	Foamed Plastic
FORMULA	Polyisocyanurate Foam with various facers and pentane
PRODUCT USE	Rigid, roof and wall insulation
MANUFACTURER/SUPPLIER	IKO Industries Ltd. 1400 – 10 Street S.E. High River, Alberta T1V 2B9
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
PRECAUTIONARY STATEMENTS	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and Understood. 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. P281 Use personal protective equipment as required. P308+P313 If exposed or concerned: Get medical attention. P314 Get medical advice/attention if you feel unwell.  P501 Dispose of content/container in accordance with local/regional/national/international regulation.



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NFPA No information available.

HMIS No information available.

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

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER
Polyisocyanurate Foam	10 - 90	n/a
Pentane	2 - 10	109-66-0
Fiberglass	0 - 1	65997-17-3

#### SECTION 4 – FIRST AID

INHALATION	Remove victim to fresh air. Seek medical attention if symptoms persist.
INGESTION	Not expected to be ingested. If ingested: rinse mouth and drink plenty of water. Do not induce vomiting. May cause gastrointestinal irritation. Seek medical attention if symptoms persist.
SKIN CONTACT	Routine first aid treatment for cuts and abrasions from handling. Wash hands with soap and water after handling.
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 information available.

#### SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Water spray, dry chemical, or carbon dioxide.
FIRE FIGHTING	This product will burn and should not be left exposed to flames. Under certain fire conditions, combustible gases can be generated, creating rapidly spreading, high intensity flames and dense, black smoke.
FLAMMABILITY	Not flammable.
PROPERTIES:	
FLASH POINT	Not applicable.
FLAMMABLE LIMITS IN AIR	Not applicable.



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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 irritating and potentially toxic fumes on thermal degradation.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES Avoid dust generation. Do not dry sweep or use compressed air for cleaning dust. Use vacuum or wet sweeping methods. Use personal protective equipment 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.

### SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
Polyisocyanurate Foam (Total Dust)	TWA : 10 mg/m <sup>3</sup>	TWA : 10 mg/m <sup>3</sup>	TWA : 10 mg/m <sup>3</sup>	TWA : 15 mg/m <sup>3</sup>	TWA : 10 mg/m <sup>3</sup>
Pentane	TWA : 600 ppm	TWA : 600 ppm	TWA : 600 ppm	TWA : 1000 ppm	TWA : 600 ppm
Fiberglass	TWA : 1 f/cc	TWA : 1 f/cc	TWA : 1 f/cc	No information available	TWA : 1 f/cc



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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, except during cutting of product. Wear NIOSH approved respiratory protection if irritation occurs or exposure limit is exceeded.
SKIN AND BODY PROTECTION	Minimize skin contact. Protective gloves may be used when handling material. If excessive dust is generated during cutting, wear long-sleeved clothing, long pants and gloves to reduce irritation.
EYE PROTECTION	Not required under normal conditions of use, except during cutting of product. Wear safety glasses or safety goggles if irritation occurs or exposure limit is exceeded.
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.)	White or cream coloured with fiberglass felt, aluminum foil or coated glass mat facing.
ODOR	No odor.
ODOR THRESHOLD	Not applicable.
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.
FLAMMABILITY	Not flammable.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Not applicable.
VAPOR PRESSURE	Not applicable.
VAPOR DENSITY	No information available.



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MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Insoluble.
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	No information available.
SPECIFIC GRAVITY	No information available.
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 sparks, flames or excessive heat.
INCOMPATIBLE MATERIALS	Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formaldehyde.
HAZARDOUS DECOMPOSITION PRODUCTS	CO <sub>x</sub> , smoke, some HCN possible under certain conditions.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY	None known.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No information available.
PRIMARY ROUTE OF EXPOSURE	Inhalation

##### HEALTH EFFECTS:

EYES	Dust may cause mechanical eye irritation and redness.
SKIN	Frequent or prolonged contact may cause skin irritation.
INHALATION	Dust inhalation may cause respiratory irritation.



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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	No information available
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.
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#### SECTION 14 – TRANSPORT INFORMATION

No information available.



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### 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	<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.