



SAFETY DATA SHEET 12104

Polybase 180 Mat

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAMES	Polybase 180 Mat
TRADE NAME	Polybase 180 Mat
PRODUCT NUMBERS	0640099, 0640100, 0640101
CHEMICAL FAMILY	Spunbond polyester nonwoven reinforced with glass filaments
FORMULA	N/A
PRODUCT USE	Roofing Material
MANUFACTURER/SUPPLIER	Freudenberg 660 Allied Industrial Blvd. Macon, GA 31206
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

Material poses no health hazard under normal conditions of use. Accidental thermal decomposition or melting state can present hazards.

SIGNAL WORD	None required
SYMBOL(S)	None required
CLASSIFICATION	None required
HAZARD STATEMENTS	None required
PRECAUTIONARY STATEMENTS	None required
NFPA	No information available
WHMIS	No information available

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS



SAFETY DATA SHEET 12104

Polybase 180 Mat

CHEMICAL NAME	% (w/w)	CAS NUMBER
Nonhazardous Components	100	n/a

SECTION 4 – FIRST AID

INHALATION	First aid is not expected to be required if product is used under normal conditions. If signs/symptoms develop, move person to an area with fresh air. Seek medical attention if symptoms persist.
INGESTION	First aid is not expected to be required if product is used under normal conditions. Seek medical attention if signs/symptoms develop.
SKIN CONTACT	First aid is not expected to be required if product is used under normal conditions. Wash hands with soap and water after handling. Seek medical attention if signs/symptoms develop.
EYE CONTACT	First aid is not expected to be required if product is used under normal conditions. Flush eyes with water if contact with material occurs. Seek medical attention if signs/symptoms develop.
ACUTE AND CHRONIC SYMPTOMS	Refer to Section 11, Toxicological Information, for additional information.
MEDICAL ATTENTION	Treatment should be based on signs and symptoms observed in the patient. The possibility that overexposure to materials other than this product occurred should be considered due to the nonhazardous nature of this product.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Water spray, foam, dry chemical, or carbon dioxide.
FIRE FIGHTING	Upon reaching temperatures of combustion, produces corrosive and/or toxic fumes.
FLAMMABILITY	Not flammable
PROPERTIES:	
FLASH POINT	Not applicable
FLAMMABLE LIMITS IN AIR	Not applicable



SAFETY DATA SHEET 12104

Polybase 180 Mat

AUTO IGNITION TEMPERATURE	Not applicable
SPECIAL PPE FOR FIRE-FIGHTERS	Recommended that firefighters wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Conventional firefighters' protective clothing provides limited protection.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	No special/emergency precautions expected to be required if product is used under ordinary conditions.
ENVIRONMENTAL PRECAUTIONS	No special precautions required.
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 product, use the appropriate safety and industrial hygiene practices. The packages have to be handled so that they can not break and to be arranged as to prevent them from falling.
STORAGE PRECAUTIONS	Store in a cool, dry, well-ventilated place.
OTHER PRECAUTIONS	Not applicable

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

No exposure limits/guidelines available for the product or the components.

ENGINEERING MEASURES Special ventilation is not required under normal conditions.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION	Not required under normal conditions of use.
SKIN AND BODY PROTECTION	Not required under normal conditions of use.



SAFETY DATA SHEET 12104

Polybase 180 Mat

- EYE PROTECTION Not required under normal conditions of use.
- HYGIENE MEASURES Wash hands with soap after handling.
- OTHER CONTROLS Follow best practices for site management and waste disposal.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Solid, in rolls or sheets. Color of the product as supplied white and green
ODOR	practically odourless
ODOR THRESHOLD	None
PH	Not applicable
MELTING POINT/FREEZING POINT	approx. 260°C (PET) approx 1.200°C (glass fibre)
INITIAL BOILING POINT AND BOILING RANGE	Not applicable
FLASH POINT	Not applicable
EVAPORATION RATE	Not applicable
FLAMMABILITY	not easily flammable
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Not applicable
VAPOR PRESSURE	Not applicable
VAPOR DENSITY	No information available
MOLECULAR WEIGHT	No information available
SOLUBILITY(IES)	Water insoluble - fat insoluble. Soluble in o-chlorophenol, dichloroacetic acid, phenol/ tetrachloroethane, esafluoroisopropanol (PET fibr
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available
AUTO-IGNITION TEMPERATURE	No information available
SPECIFIC GRAVITY	No information available



SAFETY DATA SHEET 12104

Polybase 180 Mat

VISCOSITY No information available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY Stable under normal temperatures/pressures

POSSIBILITY OF HAZARDOUS REACTIONS Hazardous polymerization will not occur.

CONDITIONS TO AVOID Under thermal decomposition flammable and toxic fumes can be generated.
Above 300°C may be released: toxic and flammable gases, carbon monoxide. The generation of cleavage and oxidation products is subject to fire conditions. Non burned residues and contaminated water after fire fighting should be disposed of in compliance with official regulations.
Molten material should not be allowed to be in contact with the skin to which can adhere and cause burns

INCOMPATIBLE MATERIALS No information available

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition could produce CO, CO₂, Oxides of Nitrogen.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY Not applicable.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No toxic reaction known under normal conditions. Particularly, no case of cutaneous sensitization or of mutagenic / carcinogenic activity is known.

PRIMARY ROUTE OF EXPOSURE Not applicable.

HEALTH EFFECTS:

EYES No health effects are expected under normal conditions of use.

SKIN No health effects are expected under normal conditions of use.

INHALATION No health effects are expected under normal conditions of use.

INGESTION No health effects are expected under normal conditions of use.



SAFETY DATA SHEET 12104

Polybase 180 Mat

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE	Not applicable.
STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE	Not applicable.
CARCINOGENICITY	Not applicable.
REPRODUCTIVE TOXICITY:	
DEVELOPMENT OF OFFSPRING	Not applicable.
SEXUAL FUNCTION AND FERTILITY	Not applicable.
GERM CELL MUTAGENICITY	Not applicable.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	For transportation, storage and normal use no toxicological effect known. Possible water pollution, if components washed out
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. As non-hazardous solid waste, depending on local legislation, nonwovens can be disposed of through recycling, incineration, landfill.
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SECTION 14 – TRANSPORT INFORMATION

Not classified as dangerous for transport.

SECTION 15 - REGULATIONS



SAFETY DATA SHEET 12104

Polybase 180 Mat

No information available.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	May 05, 2021
REPLACES THE MSDS/SDS FROM	(new)
PREPARED BY	Research Department
GENERAL INFORMATION	1-888-766-2468
WEBSITE	www.iko.com
OTHER INFO/DISCLAMERS	Read this Safety Data Sheet before handling or disposing of this material.

This material safety information is provided to help users 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 material.