Revision Date
05/11/2021

SAFETY DATA SHEET
Bituminous Roofing / Waterproofing Membranes
Version 8

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: **IKO** Bituminous Roofing / Waterproofing Membranes

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: The product is designed for use as a bituminous waterproofing membrane

1.3. Details of the supplier of the safety data sheet

Company name: IKO PLC
Appley Lane North
Appley Bridge
Wigan
Lancashire
WN6 9AB

Tel: 01257 256779

1.4. Emergency telephone number

Tel: +44 (0)1257 256864 Opening Times: 0900 - 1700 Monday to Friday

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product is not classified under the Classification, Labeling , Packaging Regulations EU reg 453/2010 or Reach EC Regulation 1907/2006 (REACH) & 1272/2008

The products covered by this data sheet are classified as articles under the applicable legislation and thus do not require a MSDS, this document is provided for information only

2.2. Label elements

Label elements under CLP:

Hazard statements: This product is not classified as hazardous, so does not need to comply with the labelling requirements, Hazard Statements or Precautionary Phrases, however please see information in relevant sections with regards to emissions and the handling of hot products.

[cont...]

Signal words: N/A

Hazard pictograms: N/A

Precautionary statements: N/A

Precautionary phrases: N/A

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

Mixtures.

The products are not classed as substances or mixtures under the CLP Regulation (EC) No 1272/2008, 453/2010 but are considered to be articles. The products in the range consist of a reinforcing base material coated with bitumen and a surface finish. The base materials include polyester, glass/polyester and glass fibres in sheet form, some used in conjunction with aluminium foil. The bitumen coating may contain mineral filler and/or synthetic polymers. The fire performance cap sheets have an inert graphite coating on the upper surface of the base carrier and the fire performance vapour control layers have a fire retardant modified bitumen coating. The surface finish may be sand, talc, mineral granules or polymeric film.

The product is not hazardous to health in its normal state. The only hazards associated with the product are during the subsequent usage (for example the 'burning' of torch on products.)
Please refer to the 'notes' section regarding the risk associted with hot materials and the constituents associted with bituminous products.

[cont...]

Section 4: First aid measures

4.1. Description of first aid measures

Eyes: For contact with cold material, e.g. small particles, wash thoroughly with water and obtain medical attention if signs of discomfort persist.
In case of contact with hot material, flood eye with copious quantities of cold water for 10-15 minutes. Do not try to remove material adhering to the eye. Cover the burn area loosely with a sterile dressing, if available. Seek immediate medical attention.

Skin: For contact with hot material, cool the affected area under cold running water for at least 10 minutes. Do not attempt to remove anything from the burn area or apply burn creams or ointments. Material adhering to skin will form a sterile barrier which will fall off after a few days. Cover the burn area loosely with a sterile dressing, if available.

Inhalation: Seek immediate medical attention.
In case of inhalation of fumes, remove from exposure. If breathing becomes difficult seek medical assistance.
If swallowed, rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

IN ALL CASES IF SYMPTOMS ARE SEVERE, PERSIST OR CAUSE CONCERN, OBTAIN IMMEDIATE MEDICAL ADVICE. First aid procedures apply when products are subjected to high temperatures, eg during the laying , or in a fire.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: None Specified

[cont...]

Section 5: Fire-fighting measures

5.1. Extinguishing media

Use any media suitable for the surrounding fires. Water, spray, fog, carbon dioxide (CO2), dry chemical, foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: None Specified

5.3. Advice for fire-fighters

Advice for fire-fighters: In confined areas fire-fighters should wear self-contained breathing apparatus. Extinguish fire with foam, dry powder, water fog, sand or earth

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: None Specified

6.2. Environmental precautions

Environmental precautions: None Specified

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Be aware when in heated / liquid state, wear appropriate PPE, designed to resist high temeratures, cover skin where possible (ie arms / hands / legs)

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store under cover away from sources of heat and ignition.

[cont...]

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Non specified

If process generated dusts or fumes are likely, follow workplace regulatory exposure limits for relevant hazards (e.g. total dust, respirable dust, silica, talc, asphalt fumes). See Annex 1 for further information.

8.2 Exposure controls

Engineering Controls: No special protective measures are necessary for use of this product in that it is an article, and under normal conditions of use is not expected to release, or otherwise result in exposure to a hazardous chemical. If cutting, grinding, drilling, etc. ensure that there is adequate ventilation to keep dust levels within required limits.

Personal Protective Equipment:

Eyes/Face: Where there is a risk of damage to the eyes/face from splashing of hot product or impact, wear eye/face protection to EN166.

Skin: The use of heavy duty gloves to protect against skin abrasion and burns through contact with hot bitumen or flame of gas torch during installation is recommended.

Respiratory: Not required under normal conditions of use. If dust or fumes are generated, wear appropriate respiratory protection.

Environmental Exposure Controls: Not usually required.

DNEL/PNEC Values

DNEL / PNEC No data available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Grey – black toned solid material. A variety of coloured slate finishes are available on top layer felts.
Odour:	None
Odour threshold:	Not Applicable
pH:	Not Applicable
Boiling Point:	Not Applicable
Melting Point:	Not applicable
Flash Point:	Not Applicable
Evaporation rate:	Not Applicable
Flammability(gas, solids):	Standard bitumen based roofing membranes are combustible. Fire performance membranes have a significantly reduced capacity to burn.

Upper/lower flammability limits: Not Applicable

[cont...]

Vapour Pressure:	Not Applicable
Vapour Density:	Not Applicable
Specific Gravity:	Not applicable
Solubility (H2O):	Not soluble
Solubility in other solvents:	Not Applicable
Auto Ignition Temp.:	No data
Decomposition temperature:	No data
Viscosity:	Not Applicable
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: None specied

10.5. Incompatible materials

Materials to avoid: none specified

10.6. Hazardous decomposition products

Haz. decomp. products: none specified

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:none specified

[cont...]

Symptoms / routes of exposure

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not Applicable

12.2. Persistence and degradability

Persistence and degradability: Biodegradable information not available

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Not Applicable

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

[cont...]

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Arrange for disposal by a licenced waste disposal company

Waste code number: Check with registered waste disposal company

Disposal of packaging: Recycle paper wrapper

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: This product is not classified under the Transport Regulations

14.2. UN proper shipping name

Shipping name: Not Applicable

14.3. Transport hazard class(es)

Not Applicable

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: Not Applicable

Transport category: Not applicable

[cont...]

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: This product is not classified under CLP or REACH

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Version History.

Version 1.0 June 1st 2015	New release for Classifiaction, Labelling Packaging Regulations Version 2.0 November 2015
Version 2.0 August 2015	Added Britorch SBS & Britorch APP
Version 3.0 December 2015	Added Pluvex (all types)
Version 4.0 June 2017	Added RoofGarden Product
Version 5.0 Nov.2017	Added Permaflash EJ Product
Version 6.0 Sept. 2019	Amended logo and Titles, added IKO Systems Heat-Activated (H-A) Underlay and IKO Systems Heat-Activated (H-A) Detailing Underlay
Version 7.0 Oct. 2019	Removed discontinued products, added new products to range
Version 8.0 Nov. 2021	Added IKO Ultralife, removed UPXL

Roofing felts present no inhalation hazard as supplied, however some process activities may result in the generation of either inhalable particles (use of power tools for sanding, cutting, grinding, etc.) or inhalable fumes (heating). The following information is provided to assist employers with assessing any process generated hazards.

PRODUCT	**SUBSTANCE**			
	(See notes below for occupational exposure limits of substances)			
	Silica[1]	**Talc[2]**	**Glassfibre[3]**	**Bitumen[4]**
Roofing Range				
Ultra prevENt T-O Cap Sheet Slate	✔			✔
Mach One Cap Sheet Slate	✔			✔
Safestick prevENt Cap Sheet Slate	✔			✔
Goldseal T-O Cap Sheet Slate	✔			✔
Superflex T-O Cap Sheet Slate	✔			✔
Systems T-O Underlay	✔			✔
Systems S-A Underlay	✔			✔
Systems T-O Vapour Control Layer	✔			✔
Systems S-A Vapour Control Layer	✔			✔
ProTorch SBS T-O Cap Sheet Slate	✔			✔
Turbo Torch T-O Cap Sheet Slate	✔			✔
TGX SBS T-O Cap Sheet Slate	✔			✔
Adesso APP T-O Cap Sheet Slate	✔			✔
IKO SBS T-O Cap Sheet Slate	✔			✔
IKO APP T-O Cap Sheet Slate	✔			✔
IKO SBS Standard Underlay	✔		✔	✔
Challenger Polyester P&R Sand & Slate	✔			✔
Challenger SBS P&R Sand & Slate	✔			✔
IKO APP Polyester Universal Underlay	✔			✔
IKO T-O Venting Layer	✔		✔	✔
IKO SBS Premium Underlay	✔			✔
IKO APP Glass Universal Underlay	✔		✔	✔
Britorch APP Torch On Capsheet	✔			✔
Britorch SBS Torch On Capsheet	✔			✔
Pluvex Range (including pre-cut)	✔		✔	✔
Permaflash EJ (*all sizes*)	✔		✔	✔
Permatorch Anti-Root / Roofgarden	✔		✔	✔
Superflex T-O Copper	✔		✔	✔
Quadra PrevENt T-O Dark Grey Slate	✔		✔	✔
Polygum PrevENt T-O Dark Grey Slate			✔	✔
Quadra Rock Partial Bond T-O Underlay	✔		✔	✔ ✔
PermaGUARD-F	✔			✔
Superflex Pipe & Outlet Flashing Plain / Slate	✔			✔
Polimar Preparation Layer	✔		✔	✔
Pre-formed details	✔			✔
IKO Perforated Slate Underlay	✔		✔	✔
IKO Glass Fibre Underlay	✔		✔	✔
IKO Glass Fibre Capsheet	✔		✔	✔
IKO Undertile Felt	✔		✔	✔
IKO Perforated Sand Underlay	✔		✔	✔

Roofing Range (Cont.)	Silica[1]	Talc[2]	Glassfibre[3]	Bitumen[4]
IKO Eaves Protection Strip	✔			✔
IKO Trade Underlay - Medium - Heavy	✔		✔	✔
IKO Shed Felt			✔	✔
IKO Trade Top Sheet	✔		✔	✔
Bituminous Roofing Shingles	✔			✔
Shed Felt Slate	✔		✔	✔
Self-Adhesive Underlay / Top Sheet	✔			✔
Superior Shed Felt (Polyester)	✔			✔
Superior Shed Felt (Fibreglass)	✔		✔	✔
Super Shed Felt Slate	✔			✔
IKO Ultra Range	✔		✔	✔
Preparation Layers				
Polimar Preparation Membrane			✔	✔
Heat Activated Products				
IKO Systems Heat Activated Underlay			✔	✔
IKO Systems Heat Act. Detailing U/L			✔	✔

NOTES

1. Silica is present as a constituent of the sand and mineral slate surfaced finishes used. WELS exist for Silica Exposure

2. Talc may be present as a surface finish. . WELS exist for Talc exposure

3. Glass fibre is present as a reinforcing base encapsulated in bitumen. Exposure levels are likely to be very low in normal use.

4. All products listed above contain bitumen. WELS exist for Bitumen exposure

5. In some cases of burning bituminous products at high temperatures, an emission of hydrogen sulphide has been detected, Hydrogen Sulfide is a toxic, flammable, colorless, liquefied gas. Hydrogen Sulfide has a distinct "rotten-egg" smell. The odor cannot be relied on as an adequate warning of the presence of Hydrogen Sulfide because at high concentrations olfactory fatigue occurs . The WELs for Hyrogen Sulphide is 10ppm at a 10 minute exposure period