

SBS MODIFIED BITUMEN ROOFING MEMBRANE

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAMES AquaBarrier AVB / FP / TG / TWF, GoldSeam, GoldShield, Modified

Vapour Protector (MVP), MVP Sand, Modiflex MP/MF, Torchflex TP/TF, Prevent MP/TP, Fast-N-Stick 180/HD, TorchTape, AquaBarrier TG/AVB/FP/TWF, Roof-Fast, StormShield, Protecto, ArmourGard, ArmourGard PRO, Armourbond 180 / Flash / Flash HD / Flash Sand / Flash Sand HD, Armourvent, ArmourCool TP/HD, Carrara ArmourCool, ArmourBridge, Armourstick HD, EdgeSeal, BMR Eave Protection, Armourstick Prevent HD Cap, Prevent MP HD, Ultra

TP HD

TRADE NAME SBS Modified Bitumen Roofing Membrane, Peel & Stick

Waterproofing, Air & Vapour Barriers

PRODUCT NUMBERS 7500xxx, 7511xxx, 7530xxx, 7531063, 7561063, 7610xxx, 7620xxx,

7630063, 7640xxx, 7670063, 7672xxx, 7673xxx, 7700xxx, 7701063, 7702xxx, 7704063, 7706063, 7710001, 7720090, 7720096, 7720097, 7720100, 77201xx, 7720150, 7730090, 7730091, 7730093, 7730096, 7730097, 7730098, 7740001, 7740004, 7740006, 7740008, 7740009, 7740010, 7740011, 7740012, 7750xxx, 7780xxx, 7850xxxm 7860xxx, 7880xxx, 7891xxx, 7892xxx, 7910xxx, 7920xxx, 7921xxx, 7930xxx,

7940002, 7940003, 7999xxx

CHEMICAL FAMILY Not applicable

FORMULA Mixture of asphalt, fiberglass/polyester mat, polymers, inert mineral

filler, film and/or talc.

PRODUCT USE Asphalt rolled roofing

MANUFACTURER/SUPPLIER IKO Industries Ltd.

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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 or Globally Harmonization System (GHS). As such, the GHS/WHMIS labeling elements and classification are not included on this SDS.

SIGNAL WORD Not applicable



SBS MODIFIED BITUMEN ROOFING MEMBRANE

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 P201 Obtain special instructions before use

STATEMENTS 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. 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 Bitumen	0 - 30	64742-93-4	
Bitumen	15 - 75	8052-42-4	
Coloured Granules	0 - 35	n/a	
Limestone	0 - 55	1317-65-3	
Polymers	2 – 15	(proprietary mix)	
Crystalline Silica (Quartz)	0 - 10	14808-60-7	
Polyester Mat	0 - 10	n/a	
Fiberglass Mat	0 - 10	65997-17-3	
Silicone Paper	0 - 20	n/a	
Talc/Sand	0 - 30	14807-96-6	
Graphite	0 - 2	7782-42-5	
Polyethylene	0 - 15	0 - 15 9002-88-4	
Titanium Dioxide	0 - 2.5	0 - 2.5 13463-67-7	

Note: During heat welding or hot mopping of product (if applicable), small amounts of toxic hydrogen sulfide H_2S (CAS 7783-06-4) may be generated.

SECTION 4 - FIRST AID

INHALATION

If exposed to combustion or asphalt fumes, remove victim to fresh air.



SBS MODIFIED BITUMEN ROOFING MEMBRANE

Seek medical aid for significant exposure to combustion or asphalt

fumes.

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.

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.

ENVIRONMENTAL PRECAUTION

No information available

SPILL MANAGEMENT Normal housekeeping measures. Pick up large pieces and dispose of



SBS MODIFIED BITUMEN ROOFING MEMBRANE

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.

STORAGE PRECAUTIONS Store in a dry location protected from the elements, high temperature

and flames/sparks.

OTHER PRECAUTIONS Comply with local other 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

	OCCUPATIONAL EXPOSURE LIMITS					
CHEMICAL NAME	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH	
Oxidized Asphalt (Bitumen) Fumes	TWA : 5 mg/m³	TWA : 0.5 mg/m³	TWA : 0.5 mg/m³	No information available	TWA : 0.5 mg/m³	
Crystalline Silica (Quartz)	TWA : 0.025 mg/m ³	TWA : 0.10 mg/m ³	TWA : 0.025 mg/m ³	TWA : 0.05 mg/m ³	TWA : 0.025 mg/m ³	
Talc	TWA : 2 mg/m³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA : 20 mppcf	TWA: 2 mg/m ³	
Titanium Dioxide	TWA : 10 mg/m³	TWA : 10 mg/m³	TWA : 10 mg/m³	TWA : 15 mg/m³ (total dust)	TWA : 10 mg/m³ (total dust)	
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.



SBS MODIFIED BITUMEN ROOFING MEMBRANE

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, various colors, 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.

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 No information available.

TEMPERATURE

SPECIFIC GRAVITY > 1.0

VISCOSITY No information available.



SBS MODIFIED BITUMEN ROOFING MEMBRANE

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY Stable at ambient temperatures.

POSSIBILITY OF No information available. HAZARDOUS REACTIONS

CONDITIONS TO AVOID Avoid excessive heat.

INCOMPATIBLE MATERIALS Strong oxidizers, strong acids, alkalis.

 $\mbox{HAZARDOUS} \quad \mbox{CO}_x, \mbox{ SO}_x, \mbox{ NO}_x, \mbox{ smoke, hydrogen sulfide.} \\ \mbox{DECOMPOSITION PRODUCTS}$

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 Titanium Dioxide. IARC concludes that Titanium Dioxide is possibly carcinogenic to humans. IARC classification: Group 2B

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.



SBS MODIFIED BITUMEN ROOFING MEMBRANE

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

SKIN If the product is heated, the hot material may cause thermal burns.

INHALATION Prolong inhalation of fumes from hot asphalt may cause nausea,

headache and 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

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).

Titanium Dioxide is listed as IARC Group 2B (possibly 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

No information available. **ECOTOXICITY**

PERSISTENCE & **DEGRADABILITY**

No information available.



SBS MODIFIED BITUMEN ROOFING MEMBRANE

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.

SECTION 16 - OTHER INFORMATION

REVISION DATE OF SDS

April 11, 2024

REPLACES THE MSDS/SDS

FROM

July 5, 2023

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

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.