

## MINERAL SURFACE FIBERGLASS BASE ASPHALT SHINGLES

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

PRODUCT NAMES Armor / Mr.Roof, Armour Starter, Biltmore, Cambridge, Crowne Slate,

Dynasty, Hip & Ridge, Leading Edge, Marathon, Marathon Plus AR, Marathon Ultra AR, Regency, Ridgeway, Roofshake HW, Royal

Estate, Starter, Superglass

TRADE NAME Mineral Surface Fiberglass Base Asphalt Shingles

PRODUCT NUMBERS 0300xxx, 0301xxx, 4061xxx, 4120xxx, 4150xxx, 4170xxx, 4220xxx,

4221xxx, 4225xxx, 4400xxx, 4450xxx, 4460xxx, 4461xxx, 4530xxx, 4540xxx, 4665xxx, 4740xxx, 4780xxx, 4781xxx, 4791xxx, 4840xxx, 4860xxx, 4861xxx, 4870xxx, 4910xxx, 4940xxx, 4950xxx, 4960xxx, 4970xxx, 4972xxx, 4974xxx, 4980xxx, 4982xxx, 4990xxx, 4991xxx,

4993xxx

CHEMICAL FAMILY Not applicable

FORMULA Mixture of asphalt, fiberglass mat, polymers, inert mineral filler,

granular surfacing and talc.

PRODUCT USE Residential Shingle Roofing

MANUFACTURER/SUPPLIER IKO Industries Ltd.

71 Orenda Road Brampton, Ontario

L6W 1V8

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 P201 Obtain special instructions before use



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**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

CHEMICAL NAME	% (w/w)	CAS NUMBER	
Roofing Granules	30 - 60	n/a	
Limestone	15 - 40	1317-65-3	
Oxidized Asphalt (Bitumen)	10 - 30	64742-93-4	
Talc/Sand	1 - 10	14807-96-6	
Crystalline Silica (Quartz)	1 - 10	10 14808-60-7	
Fiberglass Mat	1 - 5	n/a	
Polymers	0 - 0.5	(proprietary mix)	
Carbon Black	0 - 0.5	1333-86-4	
Titanium Dioxide	0 - 0.5	13463-67-7	
Copper Oxide	0 - 0.5 1317-39-1		

## **SECTION 4 – FIRST AID**

If affected asphalt odor, remove victim to fresh air. Seek medical aid INHALATION

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.

**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.



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#### **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 Not applicable

LIMITS IN AIR

**AUTO IGNITION** Not applicable

**TEMPERATURE** 

SPECIAL PPE FOR Use NIOSH approved self-contained breathing equipment when

FIRE-FIGHTERS 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.

**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.

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

	OCCUPATIONAL EXPOSURE LIMITS					
CHEMICAL NAME	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH	
Oxidized Asphalt (Bitumen) Fumes	TWA : 5 mg/m³	TWA : 0.5 mg/m <sup>3</sup>	TWA : 0.5 mg/m <sup>3</sup>	No information available	TWA : 0.5 mg/m³	
Crystalline Silica (Quartz)	TWA : 0.025 mg/m <sup>3</sup>	TWA : 0.10 mg/m <sup>3</sup>	TWA : 0.025 mg/m <sup>3</sup>	TWA : 0.05 mg/m <sup>3</sup>	TWA : 0.025 mg/m <sup>3</sup>	
Talc	TWA : 2 mg/m³	TWA : 2 mg/m³	TWA : 2 mg/m³	TWA : 20 mppcf	TWA : 2 mg/m³	
Titanium Dioxide	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>	
Carbon Black	TWA : 3.5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA : 3 mg/m <sup>3</sup>	TWA : 3.5 mg/m <sup>3</sup>	TWA : 3 mg/m <sup>3</sup>	

**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 – PHYSCAL 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.



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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.

# **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

HAZARDOUS COx, SOx, NOx, smoke, hydrogen sulfide

**DECOMPOSITION PRODUCTS** 



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#### **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 carbon black. IARC concludes that Carbon Black is possibly carcinogenic to humans IARC classification: Group 2B.

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.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No information available.

PRIMARY ROUTE OF EXPOSURE

Inhalation

**HEALTH EFFECTS:** 

EYES Excessive dust may cause mechanical eye irritation.

SKIN Possible skin irritation and dermatitis.

INHALATION Asphalt odor may cause mild respiratory irritation, nausea, headache

and/or dizziness.

INGESTION Ingestion is unlikely. If ingested, may cause irritation of the digestive

tract.



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STOT (SPECIFIC TARGET No information available.

**ORGAN TOXICITY)-**SINGLE EXPOSURE

STOT (SPECIFIC TARGET

No information available.

ORGAN TOXICITY) -REPEATED EXPOSURE

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 and Carbon Black are 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**

**ECOTOXICITY** No information available.

PERSISTENCE & **DEGRADABILITY**  No information available.

**BIODEGRADATION MOBILITY** No information available.

**BIOACCUMULATION** 

**POTENTIAL** 

No information available.

# **SECTION 13 – DISPOSAL CONSIDERATIONS**

**DISPOSAL** 

Follow federal, provincial/state and municipal regulations.

RECOMMENDATIONS

## **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 October 10, 2023

REPLACES THE MSDS/SDS

**FROM** 

July 07, 2022

PREPARED BY Research Department

GENERAL INFORMATION 1-888-766-2468

WEBISTE 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.

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