



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	IKO AquaBarrier Mastic
TRADE NAME	Modified Asphalt Sealant
PRODUCT NUMBER	1850094, 1850095, 1850097
CHEMICAL FAMILY	Mixture
PRODUCT USE	Patching cement
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

SIGNAL WORD WARNING

SYMBOL(S)



CLASSIFICATION

Carcinogenicity — Category 2
Flammable Liquids — Category 3
Skin Irritation — Category 2

HAZARD STATEMENTS

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H351 Suspected of causing cancer.

PRECAUTIONARY STATEMENTS

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharge.
P264 Wash thoroughly after handling.



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P308+P313 IF exposed or concerned: Get medical advice/attention..

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

NFPA No information available.

HMIS No information available.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER
Asphalt (Bitumen)	35-50	8052-42-4
Stoddard Solvent	10-19	8052-41-3
Crystalline Silica (Quartz)	0.1-0.6	14808-60-7
Titanium Dioxide	0.1-0.5	13463-67-7

SECTION 4 – FIRST AID

INHALATION	Remove to fresh air. If irritation persists, consult a physician.
INGESTION	Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
SKIN CONTACT	Wash off with soap and water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.
EYE CONTACT	Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.
ACUTE AND CHRONIC SYMPTOMS	Refer to section 11, Toxicological Information, for additional information.
MEDICAL ATTENTION	If you feel unwell, seek medical attention. If possible, show this SDS to doctor in attendance. No hazards which require special first aid measures.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Use water spray or fog, foam, carbon dioxide or dry chemical. Do not use water jet as an extinguisher, as this will spread the fire!Page 2 of 9



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

FIRE FIGHTING	Expected to be sensitive to static discharge. Take precautionary measures against static discharge. Product is not sensitive to mechanical impact. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back. Cool closed containers exposed to fire with water spray. During fire, gases hazardous to health may be formed.
FLAMMABILITY	Combustible.
PROPERTIES:	
FLASH POINT	46°C (CC)
FLAMMABLE LIMITS IN AIR	Lower flammability limit (% vol): 0.8 Upper flammability limit (% vol): 7
AUTO IGNITION TEMPERATURE	254°C
SPECIAL PPE FOR FIRE-FIGHTERS	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	Use personal protective clothing described in section 8, Exposure Control and Personal Protection. Eliminate all sources of ignition. Ventilate area if indoors. Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean-up is conducted by trained personnel only. Local authorities should be advised if significant spillages cannot be contained.
ENVIRONMENTAL PRECAUTIONS	Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so.
SPELL MANAGEMENT	Cover with plastic sheet to prevent spreading. Contain and absorb spilled liquid with noncombustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Non-sparking tools should be used. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Contaminated absorbent material may pose the same hazards as the spilled product. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. For waste disposal, see section 13, Disposal Considerations, of the SDS.



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only non-sparking tools. Use personal protective clothing described in section 8, Exposure Control and Personal Protection. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.

STORAGE PRECAUTIONS Keep in a dry, cool and well-ventilated place. Keep containers from excessive heat and freezing. Keep away from strong acids. Keep away from strong bases. Keep away from oxidizing agents.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
Asphalt (Bitumen) Fumes	TWA : 5 mg/m ³	TWA : 0.5 mg/m ³	TWA : 0.5 mg/m ³	No information available.	TWA : 0.5 mg/m ³
Stoddard Solvent	TWA : 100 ppm	TWA : 100 ppm	TWA : 290 mg/m ³ STEL : 580 mg/m ³	TWA : 500 ppm	TWA : 100 ppm
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
Titanium Dioxide	TWA : 10 mg/m ³	TWA : 10 mg/m ³	TWA : 10 mg/m ³	15 mg/m ³	TWA : 10 mg/m ³

ENGINEERING MEASURES Good general ventilation should be used.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

SKIN AND BODY PROTECTION Wear clean long legged, long sleeved work clothes. Wear chemical protective gloves made of nitrile or neoprene.

EYE PROTECTION Safety glasses with side-shields.

HYGIENE MEASURES Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke during work. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

OTHER CONTROLS No information available.



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Black paste
ODOR	Solvent odor
ODOR THRESHOLD	No information available.
PH	No information available.
MELTING POINT/FREEZING POINT	No information available.
INITIAL BOILING POINT AND BOILING RANGE	154°C
FLASH POINT	46°C (CC)
EVAPORATION RATE	No information available.
FLAMMABILITY	Combustible
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower flammability limit (% vol): 0.8 Upper flammability limit (% vol): 7
VAPOR PRESSURE	2 mm Hg
VAPOR DENSITY	No information available.
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Insoluble in water. No information available for solubility in other solvents.
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	254°C
SPECIFIC GRAVITY	1.04-1.22
VISCOSITY	No information available.
% VOLATILE BY VOLUME	10-30



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY	The product is stable if stored and handled as prescribed/indicated.
POSSIBILITY OF HAZARDOUS REACTIONS	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
CONDITIONS TO AVOID	Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents.
INCOMPATIBLE MATERIALS	Acids and bases. Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO ₂), fumes and smoke may be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY Fillers are encapsulated and not expected to be released from product under normal conditions of use. This product contains quartz (crystalline silica) as a naturally occurring contaminant. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Under normal conditions of use, exposure is not expected to occur.

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

INGREDIENTS	LC50	LD50
Asphalt	No information available	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Stoddard Solvent	>5.0 mg/l (Inhalation-rat, 4H mist)	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Crystalline silica, quartz	No information available	500 mg/kg (oral-rat)
Titanium dioxide	No information available	> 10,000 mg/kg (oral-rat)



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Pre-existing medical conditions (such as asthma, and other breathing, skin, eye or lung disorders) may be aggravated by exposure. If addicted to tobacco, smoking will impair the ability of the lungs to clear themselves of dust.
PRIMARY ROUTE OF EXPOSURE	Inhalation
HEALTH EFFECTS:	
EYES	Contact may cause eyes irritation.
SKIN	May cause irritation.
INHALATION	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.
INGESTION	Ingestion of this product may cause nausea, vomiting and diarrhea.
STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE	Quartz and cristobalite: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). Respirable dust particles containing crystalline silica maybe generated by crushing. There are no known hazards associated with this material when used as recommended.
CARCINOGENICITY	Respirable crystalline silica dust is listed with IARC as a Class 1 carcinogen and with NTP as a suspected carcinogen. Prolonged or excessive exposure to silica can cause silicosis. Exposures to respirable crystalline silica are not expected during the normal use of this product. Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Asphalt 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.



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
PERSISTENCE & DEGRADABILITY	No information available.
BIODEGRADATION MOBILITY	No information available.
BIOACCUMULATION POTENTIAL	No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS	The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations. For disposal of the container dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
--------------------------	---

SECTION 14 – TRANSPORT INFORMATION

TDG CLASSIFICATION	UN1999, Tars, Liquid, Class 3, PGIII
--------------------	--------------------------------------

SECTION 15 - REGULATIONS

WHMIS REGULATORY STATUS	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
-------------------------	---

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	January 23, 2018
REPLACES THE MSDS/SDS FROM	June 30, 2017
PREPARED BY	HSE department
GENERAL INFORMATION	1-888-766-2468



SAFETY DATA SHEET 1252

IKO AQUABARRIER MASTIC

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.