



SAFETY DATA SHEET 1253

IKO MS DETAIL

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	IKO MS Detail
TRADE NAME	Liquid-Applied Membrane Coating
PRODUCT NUMBER	1850079
CHEMICAL FAMILY	Mixture
PRODUCT USE	Liquid applied waterproofing coating.
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 DANGER

SYMBOL(S)



CLASSIFICATION
Carcinogenicity – Category 1A
Eye Irritation — Category 2A
Germ Cell Mutagenicity — Category 2
Reproductive Toxicity — Category 1B
Skin Sensitizer — Category 1

HAZARD STATEMENTS
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.



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P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P321 Specific treatment (see section 4, First Aid, of SDS).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

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
Non-hazardous and other ingredients below reportable level	> 92	not available
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1-3	1760-24-3
Titanium dioxide	0.5-3	13463-67-7
Dibutyltin diacetyldiacetonate	0.1-1	22673-19-4
Crystalline silica, quartz	0.1-1	14808-60-7
Carbon black	0.1-1	1333-86-4

SECTION 4 – FIRST AID

INHALATION If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

INGESTION Normally, ingestion of this material is unlikely. Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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 Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Use fingers to



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	ensure that eyelids are separated and that the eye is being irrigated.
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	Not flammable. Use an extinguishing agent suitable for the surrounding fire. 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.
FIRE FIGHTING	Move containers from fire area if this can be done without risk. Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray. Material can be slippery when wet. Some of these materials may burn, but none ignite readily. During fire, gases hazardous to health may be formed. Product is not sensitive to mechanical impact. Product is not sensitive to static discharge.
FLAMMABILITY	No information available.
PROPERTIES:	
FLASH POINT	No information available.
FLAMMABLE LIMITS IN AIR	No information available.
AUTO IGNITION TEMPERATURE	> 200°C.
SPECIAL PPE FOR FIRE-FIGHTERS	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	Use personal protective equipment described in section 8, Exposure Control and Personal Protection. Eliminate all sources of ignition. Ventilate area if indoors.
ENVIRONMENTAL PRECAUTIONS	Do not discharge into drains/surface waters/groundwater.



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SPILL MANAGEMENT

Pick up, wipe, and place into an appropriate container for disposal. Dispose of absorbed material in accordance with regulations. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Wear appropriate personal protective equipment. 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 containers from excessive heat and freezing. Keep containers tightly closed when not in use. Protect container from physical damage.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
N-(3-(trimethoxysilyl)propyl) ethylenediamine	No information available.				
Titanium dioxide	TWA : 10 mg/m ³	TWA : 10 mg/m ³	TWA : 10 mg/m ³	TWA : 15 mg/m ³	TWA : 10 mg/m ³
Crystalline Silica (Quartz)	TWA : 0.025 mg/m ³	TWA : 0.1 mg/m ³	TWA : 0.025 mg/m ³	TWA : 0.5 mg/m ³	TWA : 0.025 mg/m ³ (respirable fraction)
Dibutyltin diacetyldiacetonate	No information available.	No information available.	No information available.	TWA : 0.1 mg/m ³ (tin organic compounds as Sn)	TWA : 0.1 mg/m ³ (tin organic compounds as Sn) STEL : 0.2 mg/m ³ (tin organic compounds as Sn)
Carbon black	TWA : 3.5 mg/m ³	TWA : 3.0 mg/m ³	TWA : 3.0 mg/m ³	TWA : 3.5 mg/m ³	TWA : 3.5 mg/m ³

ENGINEERING MEASURES

Good general ventilation should be used.



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PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION	Generally not required. Wear respiratory protection if ventilation is inadequate.
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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Grey paste
ODOR	Faint odor
ODOR THRESHOLD	No information available.
PH	No information available.
MELTING POINT/FREEZING POINT	No information available.
INITIAL BOILING POINT AND BOILING RANGE	No information available.
FLASH POINT	No information available.
EVAPORATION RATE	No information available.
FLAMMABILITY	No information available.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	No information available.
VAPOR PRESSURE	No information available.
VAPOR DENSITY	No information available.
MOLECULAR WEIGHT	No information available.



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SOLUBILITY(IES)	No information available.
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	> 200°C
SPECIFIC GRAVITY	1.3-1.7
VISCOSITY	No information available.

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	<p>The product has not been tested. The statement has been derived from the properties of the individual components.</p> <p>Fillers are encapsulated and not expected to be released from product under normal conditions of use. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.</p> <p>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</p> <p>WARNING: This product may contain Titanium Dioxide. IARC concludes that Titanium Dioxide is possibly carcinogenic to humans. IARC classification: Group 2B</p> <p>WARNING: This product may contain Carbon Black. IARC concludes</p>
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that Carbon Black is possibly carcinogenic to humans. IARC classification: Group 2B

CHEMICAL NAME	LC50	LD50 (DERMAL)
N-(3-(trimethoxysilyl)propyl) ethylenediamine	1.49 mg/l mist (inhalation-rat, 4H)	2,413 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Titanium dioxide	Not available	> 10,000 mg/kg (oral-rat)
Dibutyltin diacetyldiacetonate	Not available	Not available
Crystalline silica, quartz	Not available	500 mg/kg (oral-rat)
Carbon black	Not available	>8,000 mg/kg (oral-rat); >3,000 mg/kg (dermal-rabbit)
Non-hazardous and other ingredients below reportable level	Not available	Not available

ACUTE ORAL TOXICITY: Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.

ACUTE DERMAL TOXICITY: LD50 (Rabbit): > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.

ACUTE INHALATION TOXICITY: Acute toxicity estimate: > 20 mg/l. Exposure time: 4 h. Method: calculation method. Virtually nontoxic by inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No information available.

PRIMARY ROUTE OF EXPOSURE Inhalation

HEALTH EFFECTS:

EYES Contact may cause irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause mechanical irritation (abrasion).

SKIN May cause irritation. May cause skin sensitization or other allergic responses.

INHALATION Inhalation of vapors may cause irritation to the nose, throat and respiratory tract.



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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 may be generated by crushing. There are no known hazards associated with this material when used as recommended.
CARCINOGENICITY	<p>This formula contains hazardous fillers, which are not hazardous in a wet or encapsulated state. However, if the formula is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material.</p> <p>Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans).</p> <p>Carbon black is listed as IARC Group 2B (possibly carcinogenic to humans).</p> <p>In June, 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).</p>
REPRODUCTIVE TOXICITY:	
DEVELOPMENT OF OFFSPRING	May damage the unborn child.
SEXUAL FUNCTION AND FERTILITY	May damage fertility.
GERM CELL MUTAGENICITY	May cause genetic defects.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	May cause long-term adverse effects in the aquatic environment.
PERSISTENCE & DEGRADABILITY	No information available.
BIODEGRADATION MOBILITY	No information available.
BIOACCUMULATION POTENTIAL	No information available.



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SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14 – TRANSPORT INFORMATION

TDG CLASSIFICATION: Not regulated as a dangerous good.

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.

CANADA INVENTORY All components are listed or exempted.

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

WEBSITE www.iko.com

OTHER INFO/DISCLAIMERS 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.