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 sealant
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	Skin Irritation - Category 2 Eye Irritation - Category 2A Specific Target Organ Toxicity - Repeated Exposure (inhalation) - Category 1 (lungs). Carcinogenicity - Category 1A
HAZARD STATEMENTS	H315 Causes skin irritation. H319 Causes serious eye irritation. H372 Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled. H350 May cause cancer by dust inhalation.
PRECAUTIONARY STATEMENTS	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. P260 Do not breathe dust/fume/mist/vapours. P264 Wash hands, face and skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.

P308+P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see section 4 of SDS).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
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
Aluminum sodium silicate	15-40	68476-25-5
Crystalline silica, quartz	1-5	14808-60-7
Amorphous fumed silica	0.5-1.5	112945-52-5
Titanium dioxide	0.5-1.5	13463-67-7
Aminopropyltrimethoxysilane	0.1-1	13822-56-5

[The exact concentration of composition has been withheld as a trade secret]

SECTION 4 – FIRST AID

INHALATION — If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately. Call a poison center or 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 — 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. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. If irritation persists, contact a physician.

ACUTE AND CHRONIC SYMPTOMS — The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.

MEDICAL ATTENTION	No special measures required. Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. 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. Cool closed containers exposed to fire with water spray. During fire, gases hazardous to health may be formed. Hazardous combustion products include harmful vapours, carbon oxides, nitrogen oxides (NOx) and silicone compounds. In a fire or if heated, a pressure increase will occur and the container may burst
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	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	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Use personal protective clothing. Eliminate all sources of ignition. Ventilate area if indoors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
ENVIRONMENTAL PRECAUTIONS	Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
SPILL MANAGEMENT	Absorb in vermiculite, dry sand or earth and place into container. Contaminated absorbent material may pose the same hazards as the spilled product. Dispose of absorbed material in accordance with regulations

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not inhale dusts. When using, do not eat, drink or smoke. Keep container closed when not in use.

STORAGE PRECAUTIONS

Keep in a dry, cool and well-ventilated place. Avoid exposure to excessive heat, light, and air for prolonged periods of time. Keep containers from excessive heat and freezing. Keep away from oxidizing agents.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

	OCCUPATIONAL EXPOSURE LIMITS [TWA]					
CHEMICAL NAME	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH	NIOSH
Aluminum sodium silicate	No information available					
Crystalline silica, quartz	0.025 mg/m^3	0.1 mg/m^3	0.025 mg/m^3	0.05 mg/m^3	0.025 mg/m^3 (respirable fraction)	REL: 0.05 mg/m^3 (respirable dust)
Amorphous fumed silica	No information available					
Titanium dioxide	10 mg/m^3	10 mg/m^3	10 mg/m^3	15 mg/m^3	10 mg/m^3	No information available
Aminopropyltrimethoxysilane	Not information available					

ENGINEERING MEASURES

Good general ventilation (typically 10 air changes per hour). Eye wash bottle with pure water.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION

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

SKIN AND BODY PROTECTION

Wear suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) is recommended. Wear chemical resistant protective gloves.

EYE PROTECTION

Safety glasses with side-shields.

HYGIENE MEASURES

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Wear clean long legged, long sleeved work clothes. Remove soiled clothing and wash

it thoroughly before reuse.

SECTION 9 – PHYSCAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Coarse Liquid, Grey
ODOR	Characteristic
ODOR THRESHOLD	No information available.
pH	8
MELTING POINT/FREEZING POINT	No information available.
INITIAL BOILING POINT AND BOILING RANGE	No information available.
FLASH POINT	> 94 °C (Closed Cup)
EVAPORATION RATE	No information available.
FLAMMABILITY	No information available.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	No information available.
VAPOUR PRESSURE	5.3 mmHg
VAPOUR DENSITY	> 1
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Water solubility: Dispersible
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	> 200°C
SPECIFIC GRAVITY	1.465
VISCOSITY	124,000 cPs
VOC	< 10 g/L

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY	The product is stable if stored and handled as prescribed/indicated. The product is chemically stable.
POSSIBILITY OF HAZARDOUS REACTIONS	No hazardous reactions when stored and handled as subscribed/indicated
CONDITIONS TO AVOID	Exposure to air or moisture over prolonged periods. Prolonged heat/light/air exposure.
INCOMPATIBLE MATERIALS	Acids, strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products if stored and handled as prescribed/indicated. Toxic gases/fumes may be given off during burning or thermal decomposition.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY

Fillers are encapsulated and not expected to be released from product under normal conditions of use. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer. The product has not been tested. The statement has been derived from the properties of the individual components.

CHEMICAL NAME	LC50	LD50
Aluminum sodium silicate	Not available	>2,000 mg/kg (oral-rat)
Crystalline silica, quartz	Not available	500 mg/kg (oral-rat)
Amorphous fumed silica	Not available	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Titanium dioxide	Not available	> 10,000 mg/kg (oral-rat)
Aminopropyltrimethoxysilane	Not available	2,970 mg/kg (oral-rat); 11,300 mg/kg (dermal-rabbit)

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. Method: calculation method. Test atmosphere: vapour. Exposure time: 4 h. Virtually nontoxic by inhalation.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No information available.
PRIMARY ROUTE OF EXPOSURE	Inhalation

HEALTH EFFECTS:

EYES	Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
SKIN	Contact may cause moderate skin irritation. Non-sensitizing.
INHALATION	High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.
INGESTION	May cause irritation of the stomach.
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). Exposures to respirable crystalline silica are not expected during the normal use of this product. 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	Product classified: Carcinogen, Category 1: May cause cancer. Risk of cancer depends on duration and level of exposure. 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). Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans)
REPRODUCTIVE TOXICITY	No known significant effects or critical hazards
GERM CELL MUTAGENICITY	No known significant effects or critical hazards

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	May cause long-term adverse effects in the aquatic environment.
PERSISTENCE & DEGRADABILITY	The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
BIODEGRADATION MOBILITY	No information available.
BIOACCUMULATION POTENTIAL	No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS	Dispose of in accordance with national, state and local regulations. 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:	Not classified as a dangerous good under transport regulations.

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	June 28 2024
REPLACES THE MSDS/SDS FROM	November 08, 2022
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.