

Date of issue: 21.03.19

NZ Safety Data Sheet






1. Identification of the Substance/Mixture and Supplier.

Product Name:	IKO MS DETAIL
Uses:	Liquid-applied membrane coating
Supplier:	Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand.
Telephone:	+64 9 579 2046
Web:	www.nuralite.co.nz
Emergency Telephone:	027 5350899 (General Manager) – 24 hrs
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs

2. Hazards Identification.

Hazardous Status: Classified as hazardous according to the criteria of HSNO.

DG Status: Not classified as Dangerous Goods according to NZS5433

HAZARD CLASSIFICATIONS		HAZARD STATEMENTS	GHS Pictogram
HSNO	GHS Equivalent		
6.4A	Serious eye damage/irritation, Cat 2A	H319 Causes serious eye irritation.	
6.5B	Skin sensitisation, Cat 1	H317 May cause an allergic skin reaction.	
6.6B	Germ cell mutagenicity, Cat 2	H341 Suspected of causing genetic defects.	
6.7A	Carcinogenicity, Cat 1A/1B	H350 May cause cancer.	
6.8A	Reproductive toxicity, Cat 1A/1B	H360 May damage fertility or the unborn child.	

Signal Word: DANGER

PREVENTION STATEMENTS

P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing 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.

RESPONSE STATEMENTS

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.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.

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P308 + P313	If exposed or concerned: Get medical advice/attention.	
STORAGE STATEMENTS		
P405	Store locked up.	
DISPOSAL STATEMENTS		
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.	
3. Composition/Information on Ingredients.		
Chemical Entity	CAS Number	Proportion %w/w
N-(3-[-trimethoxysilyl]propyl) ethylenediamine	1760-24-3	1-3
Titanium Dioxide	13463-67-7	0.5-3
Dibutyl Tin Diacetyldiacetonate	22673-19-4	0.1-1
Crystalline Silica – Quartz	14808-60-7	0.1-1
Carbon Black	1333-86-4	0.1-1
Other ingredients: Non-hazardous or below the hazardous threshold – to 100%		
4. First Aid Measures.		
Swallowed	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.	
Inhaled	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.	
Eye Contact	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.	
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.	
Further Information	For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.	
5. Fire-Fighting Measures.		
Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .	
Unsuitable extinguishing media	High volume water jet.	
Hazards from the substance	In a fire or if heated, a pressure increase will occur and the container may burst.	
Hazardous combustion products	Decomposition products may include: Carbon oxides, Nitrogen oxides, Other noxious substances.	
Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.	
Special protective equipment 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.	

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6. Accidental Release Measures.			
Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.		
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).		
Spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed hazardous waste disposal contractor.		
7. Handling and Storage.			
Handling	Wear appropriate PPE, and ensure there is adequate ventilation and extraction in the work area. Avoid skin or eye contact, or breathing in the product.		
Storage	Keep container dry and tightly closed, in a cool, well-ventilated area, away from excessive heat and freezing.		
8. Exposure Control/Personal Protection			
Exposure Standards			
Product/Ingredient	WES/TWA	WES/STEL	Reference
Titanium Dioxide	10mg/m3	-	NZ-WES
Quartz (14808-60-7)	0.2 mg/m3 – respirable dust	-	NZ-WES
Tin, organic cpds (as Sn)	0.1mg/m3 - skin	0.2mg/m3 - skin	NZ-WES
Carbon Black	3mg/m3	-	NZ-WES
Engineering Controls	General ventilation and local exhaust should be suitable to keep vapour concentrations minimised. Ventilation equipment should be explosion-proof when operating in flammable zones.		
Personal Protection			
Respiratory	Wear a vapour respirator.		
Eyes	Wear chemical goggles.		
Hands	Wear chemical gloves – PVC, Polychlorpropene or Nitrile.		
Other	Wear overalls or dust coat. Use PVC apron when handling large quantities.		
9. Physical and Chemical Properties			
PROPERTY	SPECIFICATION		
Physical state	Paste		
Colour	Grey		
Odour	Faint odour		
pH	No data		
Boiling Pt	No data		
Melting Pt	No data		
Flash Pt	No data		
Explosive properties	No data		
Vapour pressure	No data		
Density	1.3-1.7		
Water Solubility	No data		
Viscosity	No data		
Auto Ignition temperature	>200°C		

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10. Stability and Reactivity	
Stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Keep away from heat and sources of ignition, and incompatible products.
Incompatible materials	Acids, Bases, strong Oxidisers.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. Toxicological Information	
Data sourced from manufacturer (IKO)	
Classification:	Eye Corrosion/Irritancy – 6.4A
Health Effects:	Causes serious eye irritation.
Reference:	Determined by applying mixture rules
Classification:	Skin Sensitiser – 6.5B
Health Effects:	May cause an allergic skin reaction
Reference:	Determined by applying mixture rules
Classification:	Mutagenic – 6.6B
Health Effects:	Suspected of causing genetic defects.
Reference:	Determined by applying mixture rules
Classification:	Carcinogenic – 6.7A
Health Effects:	May cause cancer.
Reference:	Determined by applying mixture rules
Classification:	Reproductive/Development Toxicant – 6.8A
Health Effects:	May damage fertility or the unborn child.
Reference:	Determined by applying mixture rules
Acute Oral Toxicity	Not Classified
Acute Dermal Toxicity	Not Classified
Acute Inhalation Toxicity	Not Classified
Acute Aspiration Toxicity	Not Classified
Skin Irritancy/Corrosion	Not Classified
Respiratory Sensitisation	Not Classified
STOT-SE	Not Classified
STOT-RE	Not Classified
Toxicity Data	
Product Acute Toxicity Estimate	
ORAL LD50	>2000 mg/kg
DERMAL LD50	>2000 mg/kg
INHALATION LC50 (vapours)	>20 mg/L/4H



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Ingredient:	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 mg/L/4H
N-(3-[-trimethoxysilyl]propyl) ethylenediamine	2413 - Rat	>2000 - Rabbit	1.49 (mist) - Rat
Titanium Dioxide	>10,000 - Rat	-	-
Crystalline Silica – Quartz	500 - Rat	-	-
Carbon Black	>8000 - Rat	>3000 - Rabbit	-
12. Ecological Information			
This product is not classified as Ecotoxic according to the criteria of HSNO.			
Data – IKO:			
Toxicity: Data not available.			
Persistence & Degradability: Data not available.			
Mobility: Data not available.			
Bioaccumulative Potential: Data not available			
13. Disposal Considerations.			
Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.			
14. Transportation Information.			
Not regulated for transport. Keep separated from foodstuffs.			
15. Regulatory Information.			
HSNO Classification:	6.4A, 6.5B, 6.6B, 6.7A, 6.8A		
Group Standard:	HSR002679 Surface Coatings & Colorants – Toxic (6.7)		
HSNO CONTROLS			
SDS required when any quantity is present in a workplace.			
Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace			
Certified Handler	Not Required		
Tracking	Not Required		
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.			
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.			



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16. Other Information.

HSNO = Hazardous Substances and New Organisms Act.
NZ WES = New Zealand Work Exposure Standard
TWA = Time Weighted Average
STEL = Short Term Exposure Limit

Date of SDS Preparation: 21 March 2019

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.