



SAFETY DATA SHEET 25134

PMMA - IKO Metatech Detail Fiber

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	IKO Metatech Detail Fiber
TRADE NAME	IKO Metatech Detail Fiber
PRODUCT NUMBER	02418510 UFI: 6W40-Y0VK-P006-HQ97
CHEMICAL FAMILY	Acrylic sealant
PRODUCT USE	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) SU19 Building and construction work
MANUFACTURER/SUPPLIER	IKO Europe nv D'Herbouvillekaai 80 B-2020 Antwerpen Belgium Tel.: +32 (0)3 248 30 00 E-mail: sds.europe@iko.com
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 Flammable Liquids - Category 2
Skin Irritation - Category 2.
Skin sensitization - Category 1.
Specific Target Organ Toxicity (Single Exposure) - Category 3.

HAZARD STATEMENTS H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.



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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P233 Store in a well-ventilated place. Keep container tightly closed

P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

NFPA

Health = 1
Fire = 3
Reactivity = 0

HMIS

Health = 1
Fire = 3
Reactivity = 0

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

Chemical characterization: Mixtures

Description: Solution of an acrylic polymer in acrylates and methacrylates

Dangerous components:

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER
methyl methacrylate	$\geq 10 - \leq 50$	CAS: 80-62-6
2-ethylhexyl acrylate	$\geq 10 - \leq 25$	CAS: 103-11-7

* Actual concentration ranges are withheld as a trade secret.

SECTION 4 – FIRST AID

General information: Take affected persons out of danger area and lay down. Involve doctor immediately.

INHALATION

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

INGESTION

After swallowing if symptoms persist, consult a doctor.

SKIN CONTACT

If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT

Rinse opened eye for several minutes under running water.

ACUTE AND CHRONIC
SYMPTOMS

Headache
Dizziness
Allergic reactions

MEDICAL ATTENTION

No further relevant information available.



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SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Suitable extinguishing agents: CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons unsuitable extinguishing agents: Water with full jet
ADVICE FOR FIRE FIGHTING	Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.
HAZARDOUS COMBUSTION PRODUCTS	Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Carbon monoxide (CO) Nitrogen oxides (NO _x)
FLAMMABILITY	Highly flammable
PROPERTIES:	
FLASH POINT	10 °C
FLAMMABLE LIMITS IN AIR	Lower flammability limit (% vol): 0.8 (CAS: 103-11-7 2-ethylhexyl acrylate) Upper flammability limit (% vol): 12.5 (CAS: 80-62-6 methyl methacrylate)
AUTO IGNITION TEMPERATURE	Product is not selfigniting.
SPECIAL PPE FOR FIRE-FIGHTERS	Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system. Cool endangered receptacles with water spray.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	Ensure adequate ventilation Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter sewers/ surface or ground water.
SPILL MANAGEMENT	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE	Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Keep away from heat and direct sunlight. Use only
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in well ventilated areas. Do not refill residue into storage receptacles.

Information about fire - and explosion protection: Fumes can combine with air to form an explosive mixture. Highly volatile, flammable constituents are released during processing. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

STORAGE PRECAUTIONS

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a cool location.

Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

Further information about storage conditions:

Storage in a collecting room is required.

Store under lock and key and with access restricted to technical experts or their assistants only.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CONTROL PARAMETERS:

Ingredients with limit values that require monitoring at the workplace:

103-11-7 2-ethylhexyl acrylate

short term value : 38 mg/m³, 5 ppm

long term value : 38 mg/m³, 5 ppm

CAS: 80-62-6 methyl methacrylate	
EL	STEL: 100 ppm TWA: 50 ppm S(D)
EV	STEL: 100 ppm TWA: 50 ppm

Additional information: The lists that were valid during the creation were used as basis.

ENGINEERING MEASURES

PERSONAL PROTECTIVE

EQUIPMENT:

RESPIRATORY PROTECTION Respiratory protection at high concentrations when limits are exceeded. When vapours and aerosols occur respiratory protection with organic vapour filter type A.

SKIN AND BODY PROTECTION Protection of hands: Use Protective gloves
Material of gloves: Butyl rubber, BR
The selection of the suitable gloves does not only depend on the



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material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR

Not suitable are gloves made of the following materials: Leather gloves

Body protection: Use protective suit.

EYE PROTECTION Tightly sealed goggles

HYGIENE MEASURES Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

OTHER CONTROLS No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Form: Pasty Color: According to product specification
ODOR	Ester-like
ODOR THRESHOLD	Not determined
PH	Mixture is non-soluble (in water).
MELTING POINT/FREEZING POINT	Undetermined
INITIAL BOILING POINT AND BOILING RANGE	101 °C
FLASH POINT	10 °C
EVAPORATION RATE	Not determined.
FLAMMABILITY	Highly flammable.
IGNITION TEMPERATURE	Product is not selfigniting.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower flammability limit (% vol): 0.8 Vol % Upper flammability limit (% vol): 12.5 Vol %
VAPOR PRESSURE	At 20 °C: 47 hPa



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DENSITY AT 20 °C	1.16 g/cm ³
VAPOR DENSITY	Not determined.
RELATIVE DENSITY	Not determined.
MOLECULAR WEIGHT	No information available.
SOLUBILITY IN/MISCIBILITY WITH WATER:	Insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not determined
AUTO-IGNITION TEMPERATURE	245 °C
EXPLOSIVE PROPERTIES	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
SPECIFIC GRAVITY	No information available.
VISCOSITY	Dynamic: Not determined Kinematic: >20.5mm ² /s.
SOLVENT CONTENT	No information available.
OTHER INFORMATION	No further relevant information available.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	Stable under normal conditions.
CHEMICAL STABILITY	Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
POSSIBILITY OF HAZARDOUS REACTIONS	Reacts with peroxides and other radical forming substances. Exothermic reaction. Exothermic polymerization.
CONDITIONS TO AVOID	Keep away from heat and direct sunlight.
INCOMPATIBLE MATERIALS	Reacts with peroxides. Reacts with reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	None at a proper use of the product.

SECTION 11 – TOXICOLOGICAL INFORMATION



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ACUTE/CHRONIC TOXICITY

LD/LC50 values relevant for classification:		
CAS: 80-62-6 methyl methacrylate		
Oral	LD50	7,872 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
CAS: 103-11-7 2-ethylhexyl acrylate		
Oral	LD50	5,660 mg/kg (rat)
Dermal	LD50	8,480 mg/kg (rabbit)

IARC (International Agency for Research on Cancer)		
CAS: 103-11-7	2-ethylhexyl acrylate	2B
CAS: 80-62-6	methyl methacrylate	3

NTP (National Toxicology Program)	
None of the ingredients is listed.	

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information available.

PRIMARY ROUTE OF EXPOSURE

No information available.

HEALTH EFFECTS:

EYES No information available.

SKIN Irritant to skin and mucous membranes.

INHALATION No information available.

INGESTION No information available.

STOT (SPECIFIC TARGET
ORGAN TOXICITY)- SINGLE
EXPOSURE No information available.

STOT (SPECIFIC TARGET
ORGAN TOXICITY) –
REPEATED EXPOSURE No information available

CARCINOGENICITY No information available

REPRODUCTIVE TOXICITY: No information available

DEVELOPMENT
OF OFFSPRING No information available

SEXUAL FUNCTION
AND FERTILITY No information available

GERM CELL MUTAGENICITY No information available



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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	<p>Aquatic toxicity: 80-62-6 methyl methacrylate EC50/48h 69 mg/l (daphnia magna) (OECD 202) EC50/72h >110 mg/l (Selenastrum capricornutum) (OECD201) LC50/96h >79mg/l (Rainbow trout) (OECD 203)</p> <p>103-11-7 2-Ethylhexyl acrylate EC50 48h(daphnia magna): 1.3 mg/l LC50 96h (forel) : 1.81 mg/l</p>
PERSISTENCE & DEGRADABILITY	Easily biodegradable
BIODEGRADATION MOBILITY	Mobility in soil : Groundwater can be contaminated.
BIOACCUMULATION POTENTIAL	Potential to bioaccumulate.
GENERAL NOTES	<p>Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</p>

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS	<p>Waste treatment methods: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal should be in accordance with applicable regional, national and local laws and regulations</p> <p>Uncleaned packaging: Recommendation: Dispose of packaging according to regulations on the disposal of packagings.</p>
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SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER	ADR, IMDG, IATA	UN1263
UN PROPER SHIPPING NAME	ADR	UN 1263, Paint related material
	IMDG	UN 1263, Paint related material, 3, II, (10°C cc)
	IATA	UN1263 PAINT RELATED MATERIAL
TRANSPORT HAZARD CLASS(ES):	ADR, IMDG, IATA	Class 3 Flammable Liquids Label 3
PACKING GROUP		



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DOT/TDG, ADR, IMDG, IATA II

ENVIRONMENTAL HAZARD
MARINE POLLUTANT:

No

SPECIAL PRECAUTIONS FOR
USERS

Warning: Flammable liquids.
Danger code (Kemler): 33
Stowage Category: B
F-E, S-E

EMS NUMBER:

TRANSPORT IN BULK
ACCORDING TO ANNEX II OF
MARPOL AND THE IBC CODE

Not applicable.

TRANSPORT/ADDITIONAL
INFORMATION

ADR : Special provision 640D
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
Transport category: 2
Tunnel restriction code: D/E

IMDG
Limited quantities (LQ): 5L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "MODEL REGULATION"

UN 1263 PAINT RELATED MATERIAL, 3, III

SECTION 15 - REGULATIONS

Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

CAS: 80-62-6	methyl methacrylate
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TSCA (Toxic Substances Control Act):

CAS: 21645-51-2	Aluminium hydroxide	ACTIVE
CAS: 80-62-6	methyl methacrylate	ACTIVE
CAS: 103-11-7	2-ethylhexyl acrylate	ACTIVE
CAS: 109-16-0	Triethylene glycol dimethacrylate	ACTIVE
CAS: 38668-48-3	1,1'-(p-tolylimino)dipropen-2-ol	ACTIVE
CAS: 14542-23-5	Calcium fluoride	ACTIVE
CAS: 77-99-6	propylidynetrimethanol	ACTIVE
CAS: 7447-41-8	lithium chloride	ACTIVE



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Canadian substance listings:

Canadian Domestic Substances List (DSL)	
CAS: 21645-51-2	Aluminium hydroxide
CAS: 80-62-6	methyl methacrylate
CAS: 103-11-7	2-ethylhexyl acrylate
CAS: 109-16-0	Triethylene glycol dimethacrylate
CAS: 38668-48-3	1,1'-(p-tolylimino)dipropen-2-ol
CAS: 77-99-6	propylidynetrimethanol
CAS: 7447-41-8	lithium chloride

Canadian Non-Domestic Substances List (NDSL)	
CAS: 14542-23-5	Calcium fluoride

Canadian Ingredient Disclosure list (limit 0.1%)	
None of the ingredients is listed.	

Canadian Ingredient Disclosure list (limit 1%)	
CAS: 80-62-6	methyl methacrylate
CAS: 103-11-7	2-ethylhexyl acrylate
CAS: 109-16-0	Triethylene glycol dimethacrylate

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	February 19, 2025
REPLACES THE MSDS/SDS FROM	(new)
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.