SAFETY DATA SHEET 25114

PMMA – IKO Metatech Primer

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	IKO Metatech Porous Primer, IKO Metatech Bitumen Primer
TRADE NAME	IKO Metatech Concrete Primer, IKO Metatech Bitumen Primer
PRODUCT NUMBER	02418010, 02418020
CHEMICAL FAMILY	Primer
PRODUCT USE	Building and construction work, Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Industrial uses: Uses of substances as such or in preparations at industrial sites
MANUFACTURER/SUPPLIER	IKO Europe nv D'Herbouvillekaai 80 B-2020 Antwerpen Belgium Tel.: +32 (0)3 248 30 00
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. Skin sensitization - Category 1B. Specific Target Organ Toxicity (Single Exposure) - Category 3. Acute toxicity, oral - Category 2. Eye Irritation - Category 2. Hazardous to the aquatic environment - long-term aquatic hazard - Category 3.
HAZARD STATEMENTS	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation H300 Fatal if swallowed.

H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
NFPA	No information available.
HMIS	No information available.

Additional information:
Take precautionary measures against static discharge.Can polymerize after significant exceeding of storagetime or storage temperature under heat development.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

Chemical characterization: Mixtures

Description: Solution of an acrylic polymer in acrylates and methacrylates

Hazardous components:

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER
methyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	>=50-<=75	80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28
Triethylene glycol dimethacrylate Skin Sens. 1B, H317	>=1-<=10	109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21
triisodecyl phosphite Skin Sens. 1B, H317	>-0.1-<1	25448-25-3 Reg.nr.: 01-2119964066
1,1'-(p-tolylimino)dipropan-2-ol Acute Tox. 2, H300; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	>=0.2-<=1	38668-48-3 EINECS: 254-075-1

SECTION 4 – FIRST AID

General information: Immediately remove any clothing soiled by the product. Take affected persons out of danger area and lay down. When in doubt or if symptoms are observed, seek medical advice.

INHALATION	Supply fresh air; consult doctor in case of complaints. Remove victim to fresh air. Seek medical attention if symptoms persist.

INGESTION	Do not induce vomiting; call for medical help immediately. After swallowing, rinse out mouth with plenty of water (only when conscious person) and seek medical attention immediately. Do not allow person to vomit. Let person rest.
SKIN CONTACT	Immediately rinse with water. If skin irritation continues, consult a doctor.
EYE CONTACT	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
ACUTE AND CHRONIC SYMPTOMS	Headache Breathing difficulty Dizziness Unconsciousness Allergic reactions
MEDICAL ATTENTION	No further relevant information available.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Suitable extinguishing agents: Dry chemical, foam or carbon dioxide (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	Can form explosive gas-air mixtures. Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Carbondioxide (CO_2) Carbon monoxide (CO) Nitrogen oxides (NO_x) Vapors are heavier than air and may form an explosive mixture with air.
FLAMMABILITY	Not applicable.
PROPERTIES:	
FLASH POINT	10 °C
FLAMMABLE LIMITS IN AIR	Lower flammability limit (% vol): 2.1 Upper flammability limit (% vol): 12.5
AUTO IGNITION TEMPERATURE	Product is not selfigniting.
SPECIAL PPE FOR FIRE-FIGHTERS	Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. 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. Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.
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). Pick up mechanically. 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 in well ventilated areas. Do not refill residue into storage receptacles. Use the material only in places where open light, fire and other sources of ignition remain stay far away. Use personal protective equipment. (See chapter 8). If ventilation at the location is not possible or insufficient, extra measures need to be taken to guarantee a good ventilation of the workplace. The product can be electrostatically charged: Always use earth-lines when transferring from container to container. Avoid formation of flammable or explosive concentrations of vapors in the air and higher exposure levels than allowed. Observe the safety and health regulations at work. Information about fire - and explosion protection: Fumes can combine with air to form an explosive mixture. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Protect from heat. Use explosion-proof apparatus / fittings and spark-proof tools. Highly volatile, flammable constituents are released during processing.
STORAGE PRECAUTIONS	Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Store at temperatures between 0 ˚C en 35 ˚C. 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:
Store receptacle in fume cupboard.
Protect from exposure to the light.
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Storage in a collecting room is required.
Store under lock and key and with access restricted to technical experts or their assistants only.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CONTROL PARAMETERS:

Ingredients with limit values that require monitoring at the workplace:	
CAS: 80-62-6 methyl methacrylate	
WEL	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm

DNELs

80-62-6 methyl metacrylate:

Inhalative DNEL (poulation) 74.3 mg/m3 (long term - systemic effects)
105 mg/m3 (long term - local effects)
DNEL (worker) 210 mg/m3 (long term - systemic effects)
210 mg/m3 (long term - local effects)
Long term : 2.9 mg/m3/8h(aerosol- inhalation)

PNECs

80-62-6 methylmetacrylate

PNEC sediment 1.47 mg/kg dw (ground)
5.74 mg/kg dw (fresh water)
PNEC 0.094 mg/l (saltwater)
0.94 mg/l (fresh water)

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

ENGINEERING MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: In case of brief exposure or low pollution use respiratory filter device.
In case of intensive or longer exposure use self-contained respiratory protective device. Filter A
Suitable respiratory protective device recommended.

SKIN AND BODY PROTECTION: Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Protection of hands: Use Protective gloves
Material of gloves: Butyl rubber, BR
Recommended thickness of the material: ≥ 33 mm
Nitrile rubber, NBR

	The selection of the suitable gloves does not only depend on the 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: Protective work clothing
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 skin. Avoid contact with the eyes and skin.
OTHER CONTROLS	No information avaliable.

SECTION 9 – PHYSCAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Form: Fluid Color: Porous Primer: Colourless Bitumen Primer: Yellow tint
ODOR	Ester-like
ODOR THRESHOLD	Not determined
PH	Not determined.
MELTING POINT/FREEZING POINT	Undetermined
INITIAL BOILING POINT AND BOILING RANGE	101 °C
FLASH POINT	10 °C
EVAPORATION RATE	Not determined.
FLAMMABILITY	Not applicable.
IGNITION TEMPERATURE	430 °C
UPPER/LOWER FLAMMABILITY/EXPLOSIVE	Lower flammability limit (% vol): 2.1 Vol % Upper flammability limit (% vol): 12.5 Vol %

LIMITS	
VAPOR PRESSURE At 20 °C:	Porous Primer: 37.8 hPa Bitumen Primer: 40 hPa
DENSITY AT 20 °C	1.01 g/cm³
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	Product is not selfigniting.
EXPLOSIVE PROPERTIES	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
SPECIFIC GRAVITY	No information available.
VISCOSITY	Dynamic At 23°C: Porous Primer: 200 mPas At 20°C Bitumen Primer: 100 mPas Kinematic: Not determined.
SOLVENT CONTENT	VOC (EC) : 0.0 g/l
SOLID CONTENT	100%
OTHER INFORMATION	No further relevant information available.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No further relevant information available.
CHEMICAL STABILITY	Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat. No decomposition if used according to specificatins.
POSSIBILITY OF HAZARDOUS REACTIONS	Exothermic polymerisation. Reacts with peroxides and other radical forming substances. Exothermic reaction.
CONDITIONS TO AVOID	Keep away from heat and direct sunlight.
INCOMPATIBLE MATERIALS	Reacts with peroxides. Reacts with reducing agents. Reacts with heavy metals.

Reacts with acids, alkalis and oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None at a proper use of the product.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:
methyl methacrylate:
LD50 oral (rat) : >5000 mg/kg
LC50 inhalation 4h(rat) : 29.8 mg/l
LD 50 dermal (rabbit) : >5000 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine:
LD 50 oral (rat): 172 mg/kg

ATE (Acute Toxicity Estimates)		
Oral	LD50	>500-2,000 mg/kg

CAS: 80-62-6 methyl methacrylate		
Oral	LD50	7,872 mg/kg (rat)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No information available.

PRIMARY ROUTE OF EXPOSURE: No information available.

HEALTH EFFECTS:

EYES: Based on available data, the classification criteria are not met.

SKIN: May cause skin irritation.

INHALATION: May cause an allergic skin reaction.

INGESTION: No information avaliable.

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE: May cause respiratory irritation.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE: Based on available data, the classification criteria are not met.

CARCINOGENICITY: Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

DEVELOPMENT OF OFFSPRING: No information available

SEXUAL FUNCTION AND FERTILITY	No information available
GERM CELL MUTAGENICITY	Based on available data, the classification criteria are not met.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	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)
PERSISTENCE & DEGRADABILITY	Easily biodegradable
BIODEGRADATION MOBILITY	Mobility in soil : Groundwater can be contaminated. No further relevant information available.
BIOACCUMULATION POTENTIAL	Does not accumulate in organisms. No further relevant information available.
GENERAL NOTES	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.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS	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. European waste catalogue 080111 Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER	
ADR, IMDG, IATA	UN1866
UN PROPER SHIPPING NAME	
ADR	UN 1866, Resin solution, II,(D/E)
IMDG	UN 1866, Resin solution, 3, II, (10°C c.c.)
IATA	RESIN SOLUTION
TRANSPORT HAZARD CLASS(ES):	Class 3 Flammable Liquids
ADR, IMDG, IATA	Label 3

PACKING GROUP	
ADR, IMDG, IATA	II
ENVIRONMENTAL HAZARD	
MARINE POLLUTANT:	No
SPECIAL PRECAUTIONS FOR USERS	Warning: Flammable liquids. Danger code (Kemler): 33 Stowage Category: A, B
EMS NUMBER:	F-E,S-E; F-E,S-D
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	Not applicable.
TRANSPORT/ADDITIONAL INFORMATION	ADR Limited quantities (LQ): 5L Excepted quantities (EQ) Code: E1, E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml, 500ml Transport category: 3, 2 Tunnel restriction code: D/E IMDG Limited quantities (LQ): 5L Excepted quantities (EQ) Code: E1, E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml, 500 ml
UN “MODEL REGULATION”	UN 1866 RESIN SOLUTION, 3, II

SECTION 15 - REGULATIONS

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

Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:

Information about limitation of use:
- Employment restrictions concerning pregnant and lactating women must be observed.
- Employment restrictions concerning juveniles must be observed.

Other regulations, limitations and prohibitive regulations
- Substances of very high concern (SVHC) according to REACH, Article 57
- This product does not contain any SVHC's.

Chemical safety assessment:
- A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS	June 07, 2022
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.