

FIX MM 2K (Partie A)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 - Product identifier

Trade name/designation FIX MM 2K (Partie A)

Chemical name

Product-type Mixture

1.2 - Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses - Industrial and professional applications.

1.3 - Details of the supplier of the safety data sheet

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1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org>

-NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Org. Perox. E	Organic peroxides - type E
Skin Corr. 1A	Skin corrosion, Category 1A
Eye Dam. 1	Serious eye damage, Category 1
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3	STOT-single exposure - Category 3 (H335)
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Labeling exemption according to Article 29 of the CLP (packaging < 125 ml)

Contains: methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (CAS No.: 80-62-6) | methacrylic acid, 2-methylpropenoic acid (CAS No.: 79-41-4) | bis-[4-(2,3-epoxypropoxy)phenyl]propane (CAS No.: 1675-54-3) | , -dimethylbenzyl hydroperoxidecumene hydroperoxide (CAS No.: 80-15-9) | Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (CAS No.: 9003-36-5) | [3-(2,3-epoxypropoxy)propyl]trimethoxysilane (CAS No.: 2530-83-8) | 2,2'-ethylenedioxydiethyl dimethacrylate

Signal word : Danger

Hazard pictograms



Hazard statements

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H242	Heating may cause a fire.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
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.
P220	Keep away from clothing and other combustible materials.
P234	Keep only in original packaging.
P261	Avoid breathing mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/a doctor.
P312	Call a POISON CENTER/a doctor if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410	Protect from sunlight.
P420	Store separately.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national/international regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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Labelling (<= 125ml)

Signal word : Danger

Hazard pictograms



Hazard statements

H314	Causes severe skin burns and eye damage.
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H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing mist/vapours/spray.
P264	Wash hands 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.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/a doctor.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national/international regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate	CAS No. : 80-62-6 Index No. : 607-035-00-6 EC No. : 201-297-1	>= 40 - < 60	Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335	Not applicable
methacrylic acid, 2-methylpropenoic acid	CAS No. : 79-41-4 Index No. : 607-088-00-5 EC No. : 201-204-4	>= 3 - < 5	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Oral - H302 Skin Corr. 1A - H314	STOT SE 3 - H335 : 1<=%<=100
bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS No. : 1675-54-3 Index No. : 603-073-00-2 EC No. : 216-823-5	>= 1 - < 3	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Eye Irrit. 2 - H319 : 5<=%<=100 Skin Irrit. 2 - H315 : 5<=%<=100
, -dimethylbenzyl hydroperoxidecumene hydroperoxide	CAS No. : 80-15-9 Index No. : 617-002-00-8 EC No. : 201-254-7	>= 1 - < 3	Acute Tox. 3 Inhalation - H331 Acute Tox. 4 Dermal - H312 Acute Tox. 4 Oral - H302 Aquatic Chronic 2 - H411 Org. Perox. E - H242 Skin Corr. 1B - H314 STOT RE 2 - H373	Skin Corr. 1B - H314 : 10<=%<=100 Skin Irrit. 2 - H315 : 3<=%<10 Eye Dam. 1 - H318 : 3<=%<10 Eye Irrit. 2 - H319 : 1<=%<3 STOT SE 3 - H335 : 1<=%<=100

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Chemical name	No.	%	Class(es)	Specific concentration limit
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	CAS No. : 9003-36-5 Index No. : EC No. : 500-006-8	>= 1 - < 3	Aquatic Chronic 2 - H411 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	CAS No. : 2530-83-8 Index No. : EC No. : 219-784-2	>= 1 - < 3	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318	Not applicable
2,2'-ethylenedioxydiethyl dimethacrylate	CAS No. : 109-16-0 Index No. : EC No. : 203-652-6	>= 1 - < 3	Skin Sens. 1B - H317	Not applicable
2,6-di-tert-butyl-p-cresol	CAS No. : 128-37-0 Index No. : EC No. : 204-881-4	>= 0,25	Aquatic Chronic 1 - H410	Not applicable
1,1,2-trichloroethane	CAS No. : 79-00-5 Index No. : 602-014-00-8 EC No. : 201-166-9	< 0,5	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Carc. 2 - H351	Not applicable
methanol	CAS No. : 67-56-1 Index No. : 603-001-00-X EC No. : 200-659-6	< 0,25	Acute Tox. 3 Dermal - H311 Acute Tox. 3 Inhalation - H331 Acute Tox. 3 Oral - H301 Flam. Liq. 2 - H225 STOT SE 1 - H370	STOT SE 1 - H370 : 10<=%<=100 STOT SE 2 - H371 : 3<=%<10

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Remove casualty to fresh air and keep warm and at rest.
- When in doubt or if symptoms are observed, get medical advice.
- Medical examination necessary even merely on suspicion of intoxication.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.
- Change contaminated, saturated clothing.
- In case of skin reactions, consult a physician.

After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
- Call a physician immediately.

After ingestion

- Seek medical advice immediately (poison centre).
- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation

- Shortness of breath. Coughing. May irritate the respiratory tract.

Symptoms and effects - Following skin contact

- Causes severe skin burns and eye damage.
- The following symptoms may occur:
 - Allergic reactions
 - Repeated exposure may cause skin dryness or cracking.

Symptoms and effects - After eye contact

- Causes serious eye damage.

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	- Tearing, redness, itching, tears.
<u>Symptoms and effects - After ingestion</u>	- Abdominal pain
	- Ingestion may cause nausea and vomiting. Irritation of the mucous membranes of the mouth.
	- Burns.

4.3 - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder
	- Water mist
	- Carbon dioxide (CO ₂)

<u>Unsuitable extinguishing media</u>	- Strong water jet
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5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- Highly flammable liquid and vapour.
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<u>Hazardous decomposition products</u>	- Possible release of toxic fumes.
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5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Remove product from area of fire.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment.
	- Protection hood.
	- Disposable gloves.
	- Spectacles with side protection.
	- Wear protective gloves.

<u>For emergency responders</u>	- Avoid generation of dust.
	- Use personal protection equipment.
	- Remove persons to safety.

6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

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6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Wear personal protective clothing (see section 8).
- Avoid:Skin contact
- Avoid:Eye contact
- When using do not smoke.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Use only in well-ventilated areas.

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Provide eye shower and label its location conspicuously
- Wash contaminated clothing prior to re-use.
- Remove contaminated, saturated clothing immediately.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep locked up.
- Store in a dry place.
- Store in a well-ventilated area.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)

IOELV TWA ppm (UE)	50 ppm
IOELV STEL ppm (UE)	100 ppm

- No data available.

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DNEL / PNEC

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	8,2 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	416 mg/m ³	Workers	Local
DNEL acute inhalative	208 mg/m ³	Consumers	Local
DNEL long-term inhalative	384,4 mg/m ³	Workers	Systemic
DNEL long-term inhalative	208 mg/m ³	Workers	Local
DNEL long-term inhalative	74,3 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	104 mg/m ³	Consumers	Local
DNEL acute dermal, short-term	1,5 mg/cm ²	Workers	Local
DNEL acute dermal, short-term	1,5 mg/cm ²	Consumers	Local
DNEL long-term dermal	13,67 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	1,5 mg/cm ²	Workers	Local
DNEL long-term dermal	8,2 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	1,5 mg/cm ²	Consumers	Local
PNEC aquatic, freshwater	0,94 mg/l		
PNEC aquatic, marine water	0,094 mg/l		
PNEC aquatic, intermittent release	0,94 mg/l		
PNEC sediment, freshwater	10,2 mg/kg		
PNEC sediment, marine water	1,02 mg/kg		
PNEC soil	1,48 mg/kg		
PNEC sewage treatment plant (STP)	10 mg/l		
methacrylic acid, 2-methylpropenoic acid (79-41-4)			
Type	Value	User	Effect
DNEL long-term inhalative	29,6 mg/m ³	Workers	Systemic
DNEL long-term inhalative	88 mg/m ³	Workers	Local
DNEL long-term inhalative	6,3 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	6,55 mg/m ³	Consumers	Local
DNEL long-term dermal	4,25 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	2,55 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,82 mg/l		
PNEC aquatic, marine water	0,82 mg/l		
PNEC aquatic, intermittent release	0,82 mg/l		
PNEC soil	1,2 mg/kg		
PNEC sewage treatment plant (STP)	10 mg/l		
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	6,25 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	8,7 mg/m ³	Consumers	Systemic
DNEL long-term dermal	62,5 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,003 mg/l		
PNEC aquatic, marine water	0,0003 mg/l		
PNEC sediment, freshwater	0,294 mg/kg		
PNEC sediment, marine water	0,0294 mg/kg		
PNEC soil	0,237 mg/kg		
PNEC sewage treatment plant (STP)	10 mg/l		

8.2 - Exposure controls

Appropriate engineering controls - No information available.

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Individual protection measures, such as personal protective equipment

- Spectacles with side protection.
- Wear protective gloves.
- Suitable protective clothing:lab coat
- Suitable respiratory protection apparatus:Particle filter device (DIN EN 143)



Environmental exposure controls

- No data available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	pink	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		Highly flammable liquid and vapour.	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	

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Kinematic viscosity	No data available
Dynamic viscosity	4000 mPa.s

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- Highly flammable liquid and vapour.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

- Keep away from sources of ignition - No smoking. Keep away from sources of heat, sparks and naked flames. Protect from direct sunlight.

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
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LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No data available.

Toxicity : Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)

LD50 oral (rat)	7900 mg/kg
LD50 dermal (rabbit)	5000 mg/kg
LC50 inhalation (rat)	7093 ppmV
LC50 inhalation vapours (rat)	29,04 mg/l

methacrylic acid, 2-methylpropenoic acid (79-41-4)

LD50 oral (rat)	1320 mg/kg
LD50 dermal (rabbit)	500 mg/kg < V < 1000 mg/kg
LC50 inhalation (rat)	7,1 ppmV
LC50 inhalation dusts and mists (rat)	7,1 mg/l

, -dimethylbenzyl hydroperoxidecumene hydroperoxide (80-15-9)

LD50 oral (rat)	382 mg/kg
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2,2'-ethylenedioxydiethyl dimethacrylate (109-16-0)

LD50 oral (rat)	10837 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

2,6-di-tert-butyl-p-cresol (128-37-0)

LD50 oral (rat)	6000 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

Skin corrosion/irritation - Skin corrosion, Category 1A - Causes severe skin burns and eye damage.
- Causes severe skin burns and eye damage.

Serious eye damage/eye irritation - Serious eye damage, Category 1
- Causes serious eye damage.

Respiratory or skin sensitisation - Skin sensitization - Category 1 - May cause an allergic skin reaction.
- May cause an allergic skin reaction.

Germ cell mutagenicity - Not classified
- No data available.

Carcinogenicity - Not classified
- No data available.

Reproductive toxicity - Not classified
- No data available.

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STOT-single exposure - STOT-single exposure - Category 3 (H335) - May cause respiratory irritation.

- No data available.

STOT-repeated exposure - Not classified

- No data available.

Aspiration hazard - Not classified

- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- Harmful to aquatic life with long lasting effects.

Toxicity : Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)

EC50 48 hr crustacea	69 mg/l
LC50 96 hr fish	79 mg/l
ErC50 algae	> 110 mg/l
NOEC chronic fish	9,4 mg/l
NOEC chronic crustacea	3,5 mg/l
NOEC chronic algae	86 mg/l

methacrylic acid, 2-methylpropenoic acid (79-41-4)

EC50 48 hr crustacea	> 130 mg/l
LC50 96 hr fish	85 mg/l
ErC50 algae	45 mg/l
NOEC chronic fish	10 mg/l
NOEC chronic crustacea	53 mg/l
NOEC chronic algae	9,8 mg/l

, -dimethylbenzyl hydroperoxidecumene hydroperoxide (80-15-9)

LC50 96 hr fish	3,9 mg/l
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Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	
EC50 48 hr crustacea	1,6 mg/l
LC50 96 hr fish	0,55 mg/l
ErC50 algae	1,8 mg/l
2,2'-ethylenedioxydiethyl dimethacrylate (109-16-0)	
LC50 96 hr fish	16,4 mg/l
ErC50 algae	> 100 mg/l
NOEC chronic fish	100 mg/l
2,6-di-tert-butyl-p-cresol (128-37-0)	
EC50 48 hr crustacea	>= 0,84 mg/l
LC50 96 hr fish	1,1 mg/l
ErC50 algae	>= 7 mg/l
ErC50 other aquatic plants	0,758 mg/l

12.2 - Persistence and degradability

Mixture

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

Substances

, -dimethylbenzyl hydroperoxidecumene hydroperoxide (80-15-9)	
% of biodegradation in 28 days	Pas facilement biodégradable dans l'eau.
2,2'-ethylenedioxydiethyl dimethacrylate (109-16-0)	
% of biodegradation in 28 days	75 %

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)	
Log KOC	1,38
methacrylic acid, 2-methylpropenoic acid (79-41-4)	
Log KOC	0,93
2,6-di-tert-butyl-p-cresol (128-37-0)	
Bioconcentration factor (BCF)	598
Log KOC	5,2

12.4 - Mobility in soil

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- No data available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No data available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

Waste codes / waste designations according to Regulation 2014/955/UE 08 04 09* - waste adhesives and sealants containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN2924

UN number (ADN) : UN2924

UN number (IMDG) : UN2924

UN number (IATA) : UN2924

14.2 - UN proper shipping name

UN proper shipping name (ADR) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.

UN proper shipping name (ADN) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.

UN proper shipping name (IMDG) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.

UN proper shipping name (IATA) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3

ADR Classification code: : FC

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Pictograms



Transport hazard class(es) (ADN) : 3

Pictograms



Transport hazard class(es) (IMDG) : 3

Pictograms



Transport hazard class(es) (IATA) : 3

Pictograms



14.4 - Packing group

Packing group : II

Packing group (ADN) : II

Packing group (IMDG) : II

Packing group (IATA) : II

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

14.6 - Special precautions for user

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ADR

<u>ADR Classification code:</u>	:	FC
<u>ADR Special provisions</u>	:	274
<u>ADR Limited quantity (LQ)</u>	:	1L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T11
<u>Special provisions for portable tanks and bulk containers</u>	:	TP2 TP27
<u>ADR tank code</u>	:	L4BH
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2 S20
<u>ADR Hazard identification number (Kemler No.)</u>	:	338

ADN

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	274
<u>Limited quantity (LQ)</u>	:	1 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	P001
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC02
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T11
<u>Special provisions for portable tanks and bulk containers</u>	:	TP2 TP27
<u>EmS codes</u>	:	F-E, S-C
<u>Stowage and handling</u>	:	Category B SW2
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Causes burns to skin, eyes and mucous membranes.

FIX MM 2K (Partie A)

IATA

<u>PCA - Excepted quantities</u>	:	E2
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y340
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	0.5L
<u>PCA - Packing Instructions</u>	:	352
<u>PCA - Maximum Net Quantity per Package</u>	:	1L
<u>CAO - Packing Instructions</u>	:	363
<u>CAO - Maximum Net Quantity per Package</u>	:	5L
<u>Special Provisions</u>	:	A3 A803
<u>ERG Code</u>	:	3CH

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	1,1,2-trichloroethane (Index No.: 602-014-00-8 - EC No.: 201-166-9 - CAS No.: 79-00-5) methanol (Index No.: 603-001-00-X - EC No.: 200-659-6 - CAS No.: 67-56-1)

VOC content No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
2,01	25/01/2024		
2	29/11/2022		

Wording of phrases H, EUH listed in section 3 and phrases H from 2.2 not appearing on the label

Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Carc. 1B	Carcinogenicity - Category 1B

FIX MM 2K (Partie A)

Carc. 2	Carcinogenicity - Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer .
H351	Suspected of causing cancer .
H370	Causes damage to organs .
H373	May cause damage to organs through prolonged or repeated exposure .
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Org. Perox. E	Organic peroxides - type E
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
Skin Sens. 1B	Skin sensitization - Category 1B
STOT RE 2	STOT-repeated exposure - Category 2
STOT SE 1	STOT-single exposure - Category 1
STOT SE 3	STOT-single exposure - Category 3 (H335)

Les informations susmentionnées, bien que correctes, ne sont pas toutes inclusives et seront utilisées comme guide seulement. Les informations contenues dans cette fiche de données de sécurité a été obtenue à partir d'une variété de sources et est considérée comme exacte et à jour à la date d'émission indiquée. DOSAKOL et / ou ses agents ne peuvent accepter aucune responsabilité quant à l'utilisation des informations contenues dans cette fiche de données ou pour l'utilisation, l'application ou le traitement du produit décrit dans cette fiche technique. Les utilisateurs doivent noter la possibilité de dangers survenant en raison de l'utilisation inappropriée du produit.

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FIX MM 2K (Partie B)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 - Product identifier

Trade name/designation FIX MM 2K (Partie B)

Chemical name

Product-type Mixture

1.2 - Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses - Industrial and professional applications.

1.3 - Details of the supplier of the safety data sheet

IPC - 10 Quai Malbert - 29200 BREST France

Tél : +33(0)2.98.43.45.44

Fax : +33 (0)2.98.44.22.53

ipc@groupe-ipc.com

1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org>

-NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3	STOT-single exposure - Category 3 (H335)
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Labeling exemption according to Article 29 of the CLP (packaging < 125 ml)

Signal word : Warning

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

FIX MM 2K (Partie B)

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.
P261	Avoid breathing mist/vapours/spray.
P233	Keep container tightly closed.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/a doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national/international regulation.
EUH-phrases	: None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate	CAS No. : 80-62-6 Index No. : 607-035-00-6 EC No. : 201-297-1	>= 65 - < 90	Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335	Not applicable
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	CAS No. : 34562-31-7 Index No. : EC No. : 252-091-3	>= 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	M-factor: 10 / 10

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Call a poison control centre or doctor if you feel unwell.
- Remove casualty to fresh air and keep warm and at rest.

FIX MM 2K (Partie B)

Following skin contact - After contact with skin, wash immediately with plenty of water and soap.
- Change contaminated, saturated clothing.
- In case of skin reactions, consult a physician.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- Call a physician immediately.

After ingestion - Call a physician immediately.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - Shortness of breath. Coughing. May irritate the respiratory tract.

Symptoms and effects - Following skin contact - The following symptoms may occur:
- Allergic reactions
- Repeated exposure may cause skin dryness or cracking.

Symptoms and effects - After eye contact - Tearing, redness, itching, tears.

Symptoms and effects - After ingestion - Ingestion may cause nausea and vomiting. Irritation of the mucous membranes of the mouth.

4.3 - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Water mist
- Carbon dioxide (CO₂)
- Foam

Unsuitable extinguishing media - Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - Highly flammable liquid and vapour.

Hazardous decomposition products - Possible release of toxic fumes.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Wear protective gloves.

FIX MM 2K (Partie B)

- Remove all sources of ignition.

For emergency responders

- Wear protective gloves.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Remove all sources of ignition.

6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- When hot, product develops flammable vapours.
- Always close containers tightly after the removal of product.
- Vapours can form explosive mixtures with air.
- Avoid:Skin contact
- Avoid:Eye contact
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Wash hands before breaks and after work.
- When using do not smoke.

7.2 - Conditions for safe storage, including any incompatibilities

- Ensure adequate ventilation of the storage area.
- Storage class: Flammable liquids
- Protect against: heat
- Keep locked up.
- Store in a dry place.

7.3 - Specific end use(s)

- Observe technical data sheet.

FIX MM 2K (Partie B)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)	
IOELV TWA ppm (UE)	50 ppm
IOELV STEL ppm (UE)	100 ppm

- No data available.

DNEL / PNEC

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	8,2 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	416 mg/m ³	Workers	Local
DNEL acute inhalative	208 mg/m ³	Consumers	Local
DNEL long-term inhalative	384,4 mg/m ³	Workers	Systemic
DNEL long-term inhalative	208 mg/m ³	Workers	Local
DNEL long-term inhalative	74,3 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	104 mg/m ³	Consumers	Local
DNEL acute dermal, short-term	1,5 mg/cm ²	Workers	Local
DNEL acute dermal, short-term	1,5 mg/cm ²	Consumers	Local
DNEL long-term dermal	13,67 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	1,5 mg/cm ²	Workers	Local
DNEL long-term dermal	8,2 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	1,5 mg/cm ²	Consumers	Local
PNEC aquatic, freshwater	0,94 mg/l		
PNEC aquatic, marine water	0,094 mg/l		
PNEC aquatic, intermittent release	0,94 mg/l		
PNEC sediment, freshwater	10,2 mg/kg		
PNEC sediment, marine water	1,02 mg/kg		
PNEC soil	1,48 mg/kg		
PNEC sewage treatment plant (STP)	10 mg/l		

8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Wear protective gloves.

- Suitable respiratory protection apparatus: Particle filter device (DIN EN 143)

- Suitable protective clothing: lab coat



FIX MM 2K (Partie B)

- Eye protection



Environmental exposure controls - No data available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	green	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 55 °C	
Evaporation rate		No data available	
flammability		Highly flammable liquid and vapour.	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		4000 mPa.s	

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

FIX MM 2K (Partie B)

Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- Highly flammable liquid and vapour.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No data available.

Toxicity : Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)	
LD50 oral (rat)	7900 mg/kg
LD50 dermal (rabbit)	5000 mg/kg
LC50 inhalation (rat)	7093 ppmV
LC50 inhalation vapours (rat)	29,04 mg/l

FIX MM 2K (Partie B)

3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (34562-31-7)

LD50 dermal (rabbit)	> 1000 mg/kg
----------------------	--------------

<u>Skin corrosion/irritation</u>	- Irritation, Category 2 - Causes skin irritation. - No data available.
<u>Serious eye damage/eye irritation</u>	- Not classified - No data available.
<u>Respiratory or skin sensitisation</u>	- Skin sensitization - Category 1 - May cause an allergic skin reaction. - May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	- Not classified - No data available.
<u>Carcinogenicity</u>	- Not classified - No data available.
<u>Reproductive toxicity</u>	- Not classified - No data available.
<u>STOT-single exposure</u>	- STOT-single exposure - Category 3 (H335) - May cause respiratory irritation. - No data available.
<u>STOT-repeated exposure</u>	- Not classified - No data available.
<u>Aspiration hazard</u>	- Not classified - No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- Harmful to aquatic life with long lasting effects.

FIX MM 2K (Partie B)

Toxicity : Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)	
EC50 48 hr crustacea	69 mg/l
LC50 96 hr fish	79 mg/l
ErC50 algae	> 110 mg/l
NOEC chronic fish	9,4 mg/l
NOEC chronic crustacea	3,5 mg/l
NOEC chronic algae	86 mg/l

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

Substances

methyl methacrylate, methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate (80-62-6)	
Log KOC	1,38
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (34562-31-7)	
Log KOC	> 6,5 à 25°C (pH 5.7)

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No data available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

FIX MM 2K (Partie B)

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

Waste codes / waste designations according to Regulation 2014/955/UE 08 04 09* - waste adhesives and sealants containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1133
UN number (ADN) : UN1133
UN number (IMDG) : UN1133
UN number (IATA) : UN1133

14.2 - UN proper shipping name

UN proper shipping name (ADR) : ADHESIVES
UN proper shipping name (ADN) : ADHESIVES
UN proper shipping name (IMDG) : ADHESIVES
UN proper shipping name (IATA) : ADHESIVES

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3
ADR Classification code: : F1
Pictograms



Transport hazard class(es) (ADN) : 3
Pictograms



Transport hazard class(es) (IMDG) : 3
Pictograms



Transport hazard class(es) (IATA) : 3

FIX MM 2K (Partie B)

Pictograms



14.4 - Packing group

<u>Packing group</u>	:	II
<u>Packing group (ADN)</u>	:	II
<u>Packing group (IMDG)</u>	:	II
<u>Packing group (IATA)</u>	:	II

14.5 - Environmental hazards

<u>Environmental hazards</u>	:	No
<u>Marine pollutant</u>	:	No

14.6 - Special precautions for user

ADR

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	640D
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02 R001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2 S20
<u>ADR Hazard identification number (Kemler No.)</u>	:	33

ADN

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

FIX MM 2K (Partie B)

IMDG

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	P001
<u>Special packing provisions</u>	:	PP1
<u>IBC instruction(s)</u>	:	IBC02
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8
<u>EmS codes</u>	:	F-E, S-D
<u>Stowage and handling</u>	:	Category B
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

IATA

<u>PCA - Excepted quantities</u>	:	E2
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y341
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	1L
<u>PCA - Packing Instructions</u>	:	353
<u>PCA - Maximum Net Quantity per Package</u>	:	5L
<u>CAO - Packing Instructions</u>	:	364
<u>CAO - Maximum Net Quantity per Package</u>	:	60L
<u>Special Provisions</u>	:	A3
<u>ERG Code</u>	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
2,01	25/01/2024		
2	29/11/2022		

FIX MM 2K (Partie B)

Wording of phrases H, EUH listed in section 3 and phrases H from 2.2 not appearing on the label

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3	STOT-single exposure - Category 3 (H335)

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