


PROPAM NF EPO A

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** PROPAM NF EPO A
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses (): Adhesive for construction
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
PROPAMSA SAU
Ctra N-340 Km 1242,3
08620 Sant Vicenç dels Horts - España
Phone: +34 93 680 60 42
constructionsolutions@molins.es
molins.es
- 1.4 Emergency telephone number:** +34.93.680.60.42 (9:00 - 17:00)

SECTION 2: HAZARDS IDENTIFICATION **

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning

Hazard statements:
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Precautionary statements:
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
Supplementary information:
Contains Tetramethylene dimethacrylate, Methacrylic acid, monoester with propane-1,2-diol.
UFI: QWM0-KMPY-H10V-P6S2
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

*** Changes with regards to the previous version*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

- 3.1 Substance:**
Not relevant
- 3.2 Mixture:**
Chemical description: Unsaturated polyester resin

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 2082-81-7 EC: 218-218-1 Index: Not relevant REACH: 01-2119967415-30-XXXX	Tetramethylene dimethacrylate⁽¹⁾ ATP ATP21 Regulation 1272/2008 Skin Sens. 1B: H317 - Warning	10 - <25%
CAS: 27813-02-1 EC: 248-666-3 Index: Not relevant REACH: 01-2119940226-37-XXXX	Methacrylic acid, monoester with propane-1,2-diol⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning	2.5 - <10%
CAS: 38668-48-3 EC: 254-075-1 Index: Not relevant REACH: 01-2119980937-17-XXXX	1,1'-(p-tolylimino)dipropen-2-ol⁽¹⁾ Self-classified Regulation 1272/2008 Acute Tox. 2: H300; Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Danger	2.5 - <10%
CAS: 6846-50-0 EC: 229-934-9 Index: Not relevant REACH: 01-2119451093-47-XXXX	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 3: H412; Repr. 2: H361 - Warning	<1%

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	LD50 oral 25 mg/kg LD50 dermal Not relevant LC50 inhalation dust Not relevant	Rat

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters), seek medical advice with this Safety Data Sheet

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 7: HANDLING AND STORAGE (continued)

Maximum Temp.: 25 °C
Maximum time: 18 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetramethylene dimethacrylate CAS: 2082-81-7 EC: 218-218-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14,5 mg/m ³	Not relevant
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4,2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14,7 mg/m ³	Not relevant
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2,47 mg/m ³	Not relevant
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	17,62 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetramethylene dimethacrylate CAS: 2082-81-7 EC: 218-218-1	Oral	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4,3 mg/m ³	Not relevant
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Oral	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2,5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8,8 mg/m ³	Not relevant
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	Oral	Not relevant	Not relevant	0,25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	Oral	Not relevant	Not relevant	5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4,35 mg/m ³	Not relevant

PNEC:

Identification					
Tetramethylene dimethacrylate CAS: 2082-81-7 EC: 218-218-1	STP	2 mg/L	Fresh water	0,043 mg/L	
	Soil	0,573 mg/kg	Marine water	0,004 mg/L	
	Intermittent	0,098 mg/L	Sediment (Fresh water)	3,12 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0,312 mg/kg	

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	STP	10 mg/L	Fresh water	0,904 mg/L
	Soil	0,727 mg/kg	Marine water	0,904 mg/L
	Intermittent	0,972 mg/L	Sediment (Fresh water)	6,28 mg/kg
	Oral	Not relevant	Sediment (Marine water)	6,28 mg/kg
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	STP	199,5 mg/L	Fresh water	0,017 mg/L
	Soil	0,023 mg/kg	Marine water	0,002 mg/L
	Intermittent	0,17 mg/L	Sediment (Fresh water)	0,163 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,016 mg/kg
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	STP	3 mg/L	Fresh water	0,014 mg/L
	Soil	1,05 mg/kg	Marine water	0,001 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	5,29 mg/kg
	Oral	0,0833 g/kg	Sediment (Marine water)	0,529 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: P2/FFP2)	 CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.3 mm)	 CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	 CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	 CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	 CAT II	EN ISO 20347:2022	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2019



F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	6,9 % weight
V.O.C. density at 20 °C:	Not relevant
Average carbon number:	Not relevant
Average molecular weight:	Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Solid
Appearance:	Paste
Colour:	 Beige
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	Not relevant *
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	Not relevant *
Relative density at 20 °C:	1,71
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	594000 mm ² /s
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Insoluble
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Not relevant *
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	Not relevant *
Lower flammability limit:	2,6 % Volume
Upper flammability limit:	20,2 % Volume

Explosive (Solid):

Lower explosive limit:	Not relevant *
Upper explosive limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	LD50 oral	11200 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation vapour		
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	LD50 oral	25 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation dust		
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	LC50 833 mg/L (96 h)	Scophthalmus maximus	Fish
	EC50 210 mg/L (48 h)	Acartia tonsa	Crustacean
	EC50 Not relevant		
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	LC50 17 mg/L (96 h)	Brachydanio rerio	Fish
	EC50 28,8 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 245 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	LC50 >10 - 100 mg/L (96 h)		Fish
	EC50 >10 - 100 mg/L (48 h)		Crustacean
	EC50 >10 - 100 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration	Species	Genus
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	NOEC Not relevant		
	NOEC 45,2 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	BOD5 Not relevant	Concentration Not relevant
	COD Not relevant	Period Not relevant
	BOD5/COD Not relevant	% Biodegradable 81 %
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	BOD5 Not relevant	Concentration 100 mg/L
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 39 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	BCF 3
	Pow Log 0.97
	Potential Low
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0 EC: 229-934-9	BCF 1
	Pow Log 4.1
	Potential Low

12.4 Mobility in soil:

Identification	Absorption/desorption	Volatility
Methacrylic acid, monoester with propane-1,2-diol CAS: 27813-02-1 EC: 248-666-3	Koc 80	Henry 9E-4 Pa·m ³ /mol
	Conclusion High	Dry soil Not relevant
	Surface tension Not relevant	Moist soil Not relevant

- CONTINUED ON NEXT PAGE -

PROPAM NF EPO A

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
1,1'-(p-tolylimino)dipropen-2-ol CAS: 38668-48-3 EC: 254-075-1	Koc	10	Henry	3,98E-5 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity, HP13 Sensitising

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

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SECTION 15: REGULATORY INFORMATION (continued)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):

- New declared substances
Tetramethylene dimethacrylate (2082-81-7)
- Removed substances
Ethylene dimethacrylate (97-90-5)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements
- Precautionary statements
- Substances contained in EUH208:
 - New declared substances
Tetramethylene dimethacrylate (2082-81-7)
 - Removed substances
Ethylene dimethacrylate (97-90-5)

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 2: H300 - Fatal if swallowed.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Sens. 1: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

** Changes with regards to the previous version

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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -