

**SAFETY DATA SHEET****EDMOFLOOR AP FINISH /A****SECTION 1. Identification of the substance or mixture and the company/undertaking****1.1. Product Identifier:**Codice: **EDMOFLOOR AP FINSH /A**Denominazione: **EDMOFLOOR AP FINISH /A**Chemical name and synonyms: **Paint product****1.2. Relevant identified uses of the substance or mixture and uses not recommended:**

No other information is available.

**Use of the Substance/Preparation**

Building materials for professional use

**1.3. Information on the supplier of the safety data sheet**

Company Name, Address, Town and State, e-mail address of the competent person, responsible for the safety data sheet:

**EDMEC brand products are produced and distributed in Italy by:**

D.M. S.r.l. unipersonale

41038 San Felice s/P (MO) - Via Scala n°628/D

Part. VAT and Tax Code: 03728460365

info@edmec.it – www.edmec.it

**1.4. Emergency telephone number**

Niguarda Poison Control Center tel. 02/66101029 (24 hours / 24 hours)

**SECTION 2. Hazard Identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin Sens. 1 May cause an allergic skin reaction.

Aquatic Chronic 3 Harmful to aquatic organisms with long-lasting effects.

Harmful physicochemical effects on human health and the environment: No other hazards

**2.2. Label Elements****Hazard pictograms:****Hazard statements:**

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long-lasting effects.

**Precautionary statements:**

P261 Avoid breathing in mist/vapours/aerosols.

P273 Do not disperse in the environment.

P280 Wear protective gloves/clothing and protect your eyes/face.

P333+P313 If skin irritation or rash occurs: Seek medical attention.

P362+P364 Remove all contaminated clothing and wash it before putting it back on.

P501 Dispose of the product/container in accordance with the regulations.

**For more technical information:**

EDMEC D.M.

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**Special Provisions:**

EUH208 Contains Aspartic Acid,N,N'-(methylenedi-4,1-cyclohexaneyl)bis-,1,1'4,4'-tetraethyl ester. It can cause an allergic reaction.

**Contains:**

tetraethyl N,N'-(methylenedicycloesane-4,1-diyl)bis-DL-aspartate

**Special provisions under Annex XVII of REACH and subsequent amendments:** none

**2.3. Other hazards**

No PBT or endocrine disrupting substances present in concentrations  $\geq 0.1\%$

**Other hazards:** None

**SECTION 3. Composition/Ingredient Information**
**3.1. Substances**

Not relevant information.

**3.2. Mixtures**

**Description:** Hazardous components within the meaning of CLP and their classification.

<b>Name</b>	<b>Quantity</b>	<b>Identification number</b>	<b>Classification</b>	<b>Registration Number</b>
tetraethyl N,N'-(methylenedicycloesane-4,1-diyl)bis-DL-aspartate	$\geq 25\%$ - $< 50\%$	CAS:136210-30-5 CE:429-270-1 Index:607-521- 00-8	Skin Sens. 1, H317; Aquatic Chronic 3, H412	01-0000017556-64-XXXX
Aspartic acid,N,N'-(methylenedi-4,1-cyclohexaneyl)bis-,1,1'4,4'-tetraethyl ester	$\geq 10\%$ - $< 20\%$	CAS:136210-32-7 CE:412-060-9 Index:607-350- 00-9	Skin Sens. 1, H317; Aquatic Chronic 3, H412	01-0000015937-58-XXXX
2-methoxy-1-methyl ethyl acetate	$\geq 0.1\%$ - $< 0.25\%$	CAS:108-65-6 CE:203-603-9 Index:607-195- 00-7	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119475791-29-XXXX
phosphoric acid	$\geq 0.01\%$ - $< 0.016\%$	CAS:7664-38-2 CE:231-633-2 Index:015-011- 00-6	With. Corr. 1, H290 Eye Dam. 1, H318 Acute Tox. 4, H302 Skin Corr. 1B, H314 Specific Concentration Limits: C $\geq 25\%$ : Skin Corr. 1B H314 10% $\leq$ C < 25%: Skin Irrit. 2 H315 10% $\leq$ C < 25%: Eye Irrit. 2 H319	01-2119485924-24-XXXX

**SECTION 4. First Aid Measures**
**4.1. Description of first aid measures**

In case of skin contact: Remove contaminated clothing immediately.

Immediately wash the areas of the body that have come into contact with the product, even if only suspicious, with plenty of running water and possibly soap.

Wash the body completely (shower or bath).

Remove contaminated clothing immediately and dispose of it safely.

In case of contact with eyes: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. Seek medical attention if the problem persists.

If swallowed: Do not vomit at all. SEEK MEDICAL ATTENTION IMMEDIATELY.

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*If inhaled:* Bring subject to fresh air. If breathing is difficult, call a doctor immediately.

#### **4.2. Main Symptoms and Effects, Both Acute and Delayed**

Nobody

#### **4.3. Indication of whether a doctor should be consulted immediately and special treatment**

Treatment: None

### **SECTION 5. Fire Prevention Measures**

#### **5.1. Suitable extinguishing media**

Water.

Carbon dioxide (CO<sub>2</sub>).

Fire extinguishing agents that must not be used for safety reasons: None in particular.

#### **5.2. Special hazards arising from the substance or mixture**

Do not inhale the gases produced by the explosion and/or combustion, combustion produces heavy smoke.

#### **5.3. Recommendations for firefighters**

Use appropriate breathing equipment.

Collect the contaminated water used to extinguish the fire separately.

Do not discharge it into the sewer system.

If it is safe to do so, remove undamaged containers from the area of immediate danger.

### **SECTION 6. Measures in case of accidental release**

#### **6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective equipment.

Move people to a safe place.

Refer to the protective measures set out in points 7 and 8.

#### **6.2. Environmental precautions**

Prevent penetration into the soil/subsoil.

Prevent runoff into surface water or sewer system.

Retain contaminated wash water and discard it.

In the event of a gas leak or penetration into waterways, soil or sewage systems, inform the responsible authorities.

Material suitable for collection: absorbent material, organic, sand.

#### **6.3. Methods and Materials for Containment and Remediation**

Vacuum the spilled product into a suitable container. Assess the compatibility of the vessel to be used with the product, checking section 10. Absorb the remainder with inert absorbent material

#### **6.4. Reference to other sections**

See also paragraphs 8 and 13.

### **SECTION 7. Handling & Storage**

#### **7.1. Precautions for safe handling**

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Do not eat or drink while working.
- Contaminated clothing must be replaced before entering the dining areas.
- Please also refer to section 8 for recommended protective equipment.
- General recommendations on occupational hygiene: Do not eat or drink while working.

#### **7.2. Conditions for safe storage, including possible incompatibilities**

- Keep away from food, drink and feed.
- Incompatible Subjects: None in particular
- Indication for the rooms: Adequately ventilated rooms.

#### **7.3. Particular end-uses**

No other information is available.

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**SECTION 8. Exposure Control/Personal Protection**
**8.1. Verifiers**

Name	Type OEL	Country	Occupational Exposure Limit
2-metossi-1-methylethylacetate CAS:108-65-6	ACGIH		Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm Skin
	SUVA		Long-term 275 mg/m <sup>3</sup> - 50 ppm
	National	SWEDEN	Lungo termine 250 mg/m <sup>3</sup> - 50 ppm; Corto termine 400 mg/m <sup>3</sup> - 75 ppm SWEDEN, Short-term value, 15 minutes average value
	National	NORWAY	Long-term 270 mg/m <sup>3</sup> - 50 ppm H E
	National	FINLAND	Long-term 270 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm FINLAND, hud
	NDS		Long-term 260 mg/m <sup>3</sup>
	NDSch		Long-term 520 mg/m <sup>3</sup>
	EU		Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm Skin
	National	GREECE	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	DENMARK	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup>
	National	BELGIUM	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	REPUBBLICA CECA	Ceiling - Short term 550 mg/m <sup>3</sup>
	National	SLOVAKIA	Ceiling - Short term 550 mg/m <sup>3</sup>
	DFG	GERMANY	Ceiling - Short term 270 mg/m <sup>3</sup> - 50 ppm
	EU		Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm Indicative Behavior Possibility of significant uptake through the skin
	National	SWEDEN	Long-term 275 mg/m <sup>3</sup> - 50 ppm
	National	FRANCE	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	SPAIN	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	FINLAND	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	GERMANY	Long-term 270 mg/m <sup>3</sup> - 50 ppm
	National	PORTUGAL	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	NORWAY	Long-term 270 mg/m <sup>3</sup> - 50 ppm; Short term 337.5 mg/m <sup>3</sup> - 75 ppm
	NDS	POLAND	Long-term 260 mg/m <sup>3</sup>
	NDSch	POLAND	Short term 520 mg/m <sup>3</sup>
	WHO	SWITZERLAND	Short term 275 mg/m <sup>3</sup> - 50 ppm
	NDS	HOLLAND	Long-term 550 mg/m <sup>3</sup>
	National	REPUBBLICA CECA	Long-term 270 mg/m <sup>3</sup>
	National	HUNGARY	Long-term 275 mg/m <sup>3</sup> ; Short term 550 mg/m <sup>3</sup>
	National	ESTONIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	LATVIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	SLOVAKIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm
	National	SLOVENIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
	National	UNITED KINGDOM	Long-term 274 mg/m <sup>3</sup> - 50 ppm; Short term 548 mg/m <sup>3</sup> - 100 ppm
	National	BULGARIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm
National	ROMANIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm	
TUR	TURKEY	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm	
National	LITHUANIA	Long-term 250 mg/m <sup>3</sup> - 50 ppm; Short term 400 mg/m <sup>3</sup> - 75 ppm	
National	CROATIA	Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm	
EU		Long-term 275 mg/m <sup>3</sup> - 50 ppm; Short term 550 mg/m <sup>3</sup> - 100 ppm Indicative Behavior Possibility of significant uptake through the skin	
DFG	GERMANY	Ceiling - Short term 4 mg/m <sup>3</sup>	

**For more technical information:**

EDMEC D.M.

Via Scala n°628/D - 41038 San Felice s/P (MO)

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Phosphoric Acid CAS: 7664-38-2	ACGIH		Lungo termine 1 mg/m <sup>3</sup> ; Corto termine 3 mg/m <sup>3</sup> eye, skin and upper respiratory tract irritation
	National	SWEDEN	Long-term 1 mg/m <sup>3</sup>
	National	FRANCE	Long-term 1 mg/m <sup>3</sup> - 0.2 ppm; Short-term 2 mg/m <sup>3</sup> - 0.5 ppm
	National	SPAIN	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	GREECE	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	DENMARK	Long-term 1 mg/m <sup>3</sup>
	National	FINLAND	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	GERMANY	Long-term 2 mg/m <sup>3</sup>
	National	PORTUGAL	Long-term 1 mg/m <sup>3</sup> ; Short-term 3 mg/m <sup>3</sup>
	National	NORWAY	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	BELGIUM	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	NDS	POLAND	Long-term 1 mg/m <sup>3</sup>
	NDSch	POLAND	Short-term 2 mg/m <sup>3</sup>
	WHO	SWITZERLAND	Short-term 2 mg/m <sup>3</sup>
	NDS	HOLLAND	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	REPUBBLICA CECA	Long-term 1 mg/m <sup>3</sup>
	National	HUNGARY	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	Malaysia OEL	MALAYSIA	Long-term 1 mg/m <sup>3</sup>
	National	ESTONIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	LATVIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	CZECH REOUBBLICA	Ceiling - Short term 2 mg/m <sup>3</sup>
	National	SLOVAKIA	Ceiling - Short term 2 mg/m <sup>3</sup>
	National	SLOVAKIA	Long-term 1 mg/m <sup>3</sup>
	National	SLOVENIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	UNITED KINGDOM	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	BULGARIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	ROMANIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	TUR	TURKEY	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	LITHUANIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
	National	CROATIA	Long-term 1 mg/m <sup>3</sup> ; Short-term 2 mg/m <sup>3</sup>
EU		Long-term 1 mg/m <sup>3</sup> ; Short term 2 mg/m <sup>3</sup> Indicative Behavior	
WHO	SWITZERLAND	Short term 4 mg/m <sup>3</sup>	

### PNEC Values

tetraethyl N,N'- (methylenedicycloesane- 4,1-diy)bis-DL-aspartate CAS: 136210-30-5	Exposure route: Fresh water; PNEC LIMIT: 0.00013 mg/l Exhibition route: Sea water; PNEC LIMIT: 0.000013 mg/l Exposure route: Freshwater sediments; PNEC LIMIT: 0.21 mg/kg Exposure route: Seawater sediments; PNEC LIMIT: 0.02 mg/kg
Aspartic Acid,N,N'- (Methylenedi-4,1- Cyclohexanel)bis-,1,1'4,4'- Tetraethyl Ester CAS: 136210-32-7	Exposure route: Fresh water; PNEC LIMIT: 0.00013 mg/l Exhibition route: Sea water; PNEC LIMIT: 0.000013 mg/l Exposure route: Freshwater sediments; PNEC LIMIT: 0.21 mg/kg Exposure route: Seawater sediments; PNEC LIMIT: 0.02 mg/kg Route of exposure: Microorganisms in wastewater treatment; PNEC LIMIT: 31.1 mg/l Exposure route: Soil; PNEC LIMIT: 0.1 mg/kg

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info@edmec.it – www.edmec.it

2-metossi-1-methylethylacetate CAS:108-65-6	Exposure route: Fresh water; PNEC LIMIT: 0.635 mg/l Exhibition route: Sea water; PNEC LIMIT: 0.0635 mg/l Exposure route: Freshwater sediments; PNEC LIMIT: 3.29 mg/kg Exposure route: Seawater sediments; PNEC LIMIT: 0.329 mg/kg Route of exposure: Occasional release; PNEC LIMIT: 6.35 mg/l Route of exposure: Microorganisms in wastewater treatment; PNEC LIMIT: 100 mg/l Route of exposure: Soil; PNEC LIMIT: 0.29 mg/kg
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**Derived layer with no effect. (DNEL)**

etraethyl N,N'-(methylenedicycloesane-4,1-diyl)bis-DL-aspartate CAS: 136210-30-5	Route of exposure: Human cutaneous; Frequency of exposure: Long-term, systemic effects Industrial worker: 4 mg/kg Route of exposure: Oral Human; Frequency of exposure: Long-term, systemic effects Industrial worker: 4 mg/kg Route of exposure: Human inhalation; Frequency of exposure: Long-term, systemic effects Industrial worker: 28 mg/m <sup>3</sup>
Aspartic acid,N,N'-(methylenedi-4,1-cyclohexanetyl)bis-,1,1'4,4'-tetraethyl ester CAS: 136210-32-7	Route of exposure: Human inhalation; Frequency of exposure: Short-term, systemic effects Industrial worker: 672 mg/m <sup>3</sup> ; User: 14.5 mg/m <sup>3</sup> Route of exposure: Human inhalation; Frequency of exposure: Long-term, systemic effects Industrial worker: 84 mg/m <sup>3</sup> ; User: 14.5 mg/m <sup>3</sup> Route of exposure: Human cutaneous; Frequency of exposure: Long-term, systemic effects Industrial worker: 11.9 mg/kg; Consumer: 4.2 mg/kg Route of exposure: Human cutaneous; Frequency of exposure: Short-term, systemic effects Consumer: 4.2 mg/kg Route of exposure: Oral Human; Frequency of exposure: Short-term, systemic effects Consumer: 4.2 mg/kg Route of exposure: Oral Human; Frequency of exposure: Long-term, systemic effects Consumer: 4.2 mg/kg
2-metossi-1-methylethylacetate CAS: 108-65-6	Route of exposure: Human cutaneous; Frequency of exposure: Long-term, systemic effects Industrial worker: 796 mg/kg; Consumer: 320 mg/kg Route of exposure: Human inhalation; Frequency of exposure: Long-term, systemic effects Industrial worker: 275 mg/m <sup>3</sup> ; User: 33 mg/m <sup>3</sup> Route of exposure: Oral Human; Frequency of exposure: Long-term, systemic effects Consumer: 36 mg/kg Route of exposure: Human inhalation; Frequency of exposure: Short-term, local effects Industrial worker: 550 mg/m <sup>3</sup>
phosphoric acid CAS: 7664-38-2	Route of exposure: Human inhalation; Frequency of exposure: Short-term, local effects Industrial worker: 2 mg/m <sup>3</sup> Route of exposure: Human inhalation; Frequency of exposure: Long-term, local effects Industrial worker: 1 mg/m <sup>3</sup> ; Consumer: 0.36 mg/m <sup>3</sup> Route of exposure: Human inhalation; Frequency of exposure: Long-term, systemic effects Industrial worker: 10.7 mg/m <sup>3</sup> ; User: 4.57 mg/m <sup>3</sup> Route of exposure: Human cutaneous; Frequency of exposure: Long-term, systemic effects Consumer: 0.1 mg/kg

**8.2. Exposure Controls**

<u>Eye protection</u>	Use safety visors closed, do not use eye lenses.
<u>Skin protection</u>	Wear clothing that provides total protection for the skin, e.g. made of cotton, rubber, PVC or viton.
<u>Hand protection</u>	Suitable materials for protective gloves; EN ISO 374: Polychloroprene - CR: thickness $\geq$ 0.5mm; Breaking time $\geq$ 480min. Nitrile rubber - NBR: thickness $\geq$ 0.35mm; Breaking time $\geq$ 480min. Butyl rubber - IIR: thickness $\geq$ 0.5mm; Breaking time $\geq$ 480min.

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	Fluorinated rubber - FKM: thickness $\geq$ 0.4mm; Breaking time $\geq$ 480min. Neoprene (0.5 mm) is recommended. Gloves not recommended: gloves that are not waterproof
<u>Respiratory protection</u>	All personal protective equipment must comply with relevant CE standards (such as EN ISO 374 for gloves and EN ISO 166 for goggles), kept efficient and stored appropriately. Always consult the supplier of the protective equipment. Respiratory protection should be used where exposure levels exceed workplace exposure limits. Refer to the appropriate EN standards, such as EN 136, 140, 143, 149, 14387 for information on the selection and use of appropriate respiratory protection equipment. In case of insufficient ventilation, use a mask with ABEKP filters (EN 14387). Use appropriate respiratory protection.
<u>Thermal Hazards</u>	Nobody
<u>Exposure control amb.</u>	Nobody
<u>Suitable technical controls</u>	Nobody

## **SECTION 9. Physical and Chemical Properties**

### **9.1. Information on Fundamental Physical and Chemical Properties**

<b><u>General information</u></b>	
<u>Physical Status</u>	Liquid
<u>Color</u>	Transparent
<u>Smell</u>	Characteristic
<u>Melting Point/Freezing Point</u>	N.O.
<u>Boiling point or initial boiling point and boiling range</u>	N.O.
<u>Inflammability</u>	The product is classified as Flam. Liq. 3 H22
<u>Lower and upper explosive limits</u>	N.O.
<u>Flash point</u>	24 °C (75 °F)
<u>Auto-ignition temperature</u>	N.O.
<u>ph</u>	N.O.
<u>Kinematic viscosity</u>	3000.00 cPs
<u>Water solubility</u>	insoluble
<u>Fat solubility</u>	Partially soluble
<u>n-octanol/water partition coefficient (logarithmic value)</u>	N.O.
<u>Vapor Pressure</u>	N.O.
<u>Density and/or relative density</u>	1.60 Kg/L
<u>Relative Vapor Density</u>	N.O.
<u>Particle size</u>	N.O.

### **9.2. Other Information.**

No other relevant information

## **SECTION 10. Stability and responsiveness**

### **10.1. Responsiveness**

Stable under normal conditions

HEXAMETHYLENE-1,6-DIISOCYANATE: decomposes at 255°C. It cures at temperatures above 200°C.

### **10.2. Chemical Stability**

Stable under normal conditions

### **10.3. Possibility of Dangerous Reactions**

Nobody

### **10.4. Conditions to be avoided**

Stable under normal conditions

#### **For more technical information:**

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### 10.5. Incompatible Materials

Avoid contact with oxidizing materials. The product may become inflamed

### 10.6. Hazardous Decomposition Products.

Nobody

## **SECTION 11. Toxicological information**

### 11.1. Information on toxicological effects

#### Acute toxicity:

- a) Acute toxicity: Unclassified - No data available for the product.
- b) Skin corrosion/irritation: Not classified - No data available for the product.
- c) Serious Eye Injury/Severe Eye Irritation: Unclassified - No data available for the product.
- d) Respiratory or skin sensitization: the product is classified – Skin sens. 1(H317)
- e) Germ cell mutagenicity: Unclassified - No data available for the product.
- f) Carcinogenicity: Unclassified - No data available for the product.
- g) Reproductive toxicity: Unclassified - No data available for the product.
- h) Specific Target Organ Toxicity (STOT) — Unclassified — No data available for the product.
- i) Specific Target Organ Toxicity (STOT) — Unclassified — No data available for the product.
- j) Suction hazard: Not classified - No data available for the product.

Toxicological information on the main substances present in the product: N.A.

#### Toxicological information on the main substances in the mixture is provided below:

tetraethyl N,N'-(methylenedicycloesane-4,1-diyl)bis-DL-aspartate	(a) Acute toxicity	LD50 Oral Rat > 2000 mg/kg LD50 Rat Skin > 2000 mg/kg LC50 Rat Inhalation > 4,224 mg/l 4h
Aspartic acid,N,N'-(methylenedi-4,1-cyclohexanyl)bis-,1,1'4,4'-tetraethyl ester	(a) Acute toxicity	LD50 Oral Rat > 2000 mg/kg LD50 Rat Skin > 2000 mg/kg LC50 Rat Mist Inhalation > 4,224 mg/l 4h
xylene	(a) Acute toxicity	LD50 Oral Rat > 2000 mg/kg LC50 Rat vapour inhalation = 11 mg/l 4h LD50 Rabbit Skin = 3200 mg/kg LD50 Rabbit Leather > 4350 mg/kg LC50 Rat Inhalation = 29.08 mg/l 4h LD50 Oral Rat = 3500 mg/kg
	(e) germ cell mutagenicity	NOAEL Oral Rat = 1000 mg/kg
	(g) toxicity to reproduction	NOAEL Oral Rat = 200 mg/kg
2-metossi-1-methylethylacetate	(a) Acute toxicity	LD50 Oral Rat > 5000 mg/kg LD50 Rabbit Leather > 5000 mg/kg LD50 Rabbit Leather > 5, g/kg
	(e) germ cell mutagenicity	NOAEL Rat Inhalation = 1000, ppm
	(g) toxicity to reproduction	NOAEL Rat Inhalation = 500, ppm
phosphoric acid	(a) Acute toxicity	LD50 Rabbit Leather > 2000, mg/kg LC50 Rat Inhalation > 3800, mg/m3 1h LD50 Oral Rat = 2600, mg/kg

### 11.2. Information on other hazards

Endocrine disrupting properties: No endocrine disruptors present in concentration  $\geq 0.1\%$

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## **SECTION 12. Ecological information**

### **12.1. Toxicity**

Use according to good working practices, avoiding dispersing the product into the environment.

Eco-toxicological information:

#### **List of Eco-Toxicological Properties of the product**

Not rated for environmental hazards

On the basis of the available data, the classification criteria are not met.

#### **List of Eco-Toxicological Properties of Constituents**

<b>Component</b>	<b>Identification number</b>	<b>Eco-toxicological information</b>
raethyl N,N'-(methylenedicycloesane4,1-diy)bis-DL-aspartate	CAS: 136210-30-5 EINECS: 429-270-1 INDEX: 607-521-00-8	(a) Acute aquatic toxicity : LC50 Fish = 66 mg/L 96 (a) Acute aquatic toxicity: EC50 Daphnias = 88.6 mg/L 48
Aspartic acid,N,N'-(methylenedi-4,1-cyclohexaneyl)bis-,1,1'4,4'-tetraethyl ester	CAS: 136210-32-7 EINECS: 412-060-9 INDEX: 607-350-00-9	(a) Acute aquatic toxicity : LC50 Fish = 66 mg/L 96 (a) Acute aquatic toxicity: EC50 Daphnias = 88.6 mg/L 48 b) Chronic aquatic toxicity: NOEC Daphnias = 0.01 mg/L - 21 d (a) Acute aquatic toxicity: EC50 Algae = 113 mg/L 72 c) Toxicity to bacteria: EC50 = 3110 mg/L 3 (d) Terrestrial toxicity : NOEC = 1000 mg/kg - 14 d (c) Plant toxicity: NOEC = 100 mg/kg - 14 d
2-methoxy-1-methyl ethyl acetate	CAS: 108-65-6 EINECS: 203-603-9 INDEX: 607-195-00-7	a) Acute aquatic toxicity : LC50 Fish = 130 mg/L 96h a) Acute aquatic toxicity: EC50 Daphnias >= 100 mg/L 48h (b) Chronic aquatic toxicity: NOEC Fish = 47.5 mg/L - 14 d (b) Chronic aquatic toxicity: NOEC Daphnias >= 100 mg/L - 21 d (b) Chronic aquatic toxicity: NOEC Algae >= 1000 mg/L
phosphoric acid	CAS: 7664-38-2 EINECS: 231-633-2 INDEX: 015-011-00-6	a) Acute aquatic toxicity : EC50 Daphnias > 100 mg/L 48h

### **12.2. Persistence and Degradability**

N.O.

### **12.4. Mobility in the Soil**

N.O.

### **12.5. PBT and vPvB Assessment Results**

**PBT:** None - **vPvB:** None

### **12.6. Endocrine Disrupting Properties**

No endocrine disruptors present in a concentration  $\geq$  0.1%

### **12.7. Other Adverse Effects**

Nobody

## **SECTION 13. Disposal Considerations**

### **13.1. Waste Treatment Methods**

Waste generation should be avoided or minimised wherever possible. Recover if possible.

It is not possible to specify a waste code (CER) according to the European Waste List (LoW), due to dependence on use.

Contact and send to an authorized waste disposal service.

Disposal methods:

#### **For more technical information:**

[EDMEC D.M.](mailto:info@edmec.it)

[Via Scala n°628/D - 41038 San Felice s/P \(MO\)](mailto:info@edmec.it)

[Part. VAT and Tax Code: 03728460365](mailto:info@edmec.it)

[info@edmec.it – www.edmec.it](mailto:info@edmec.it)

The disposal of this product, solutions, packaging and any by-products must always comply with the requirements of environmental protection and waste disposal legislation and the requirements of local and regional authorities. Dispose of excess and non-recyclable products through a licensed waste disposal contractor. Do not dispose of waste in the sewers.

Hazardous Waste: Yes

Disposal Considerations:

Do not allow entry into drains or waterways.

Dispose of the product according to all applicable federal, state, and local regulations.

If this product is mixed with other waste, the original waste code may no longer be applicable and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national regulations.

For more information, please contact your local waste authority.

Dispose of containers contaminated by the product in accordance with local or national regulations. For more information, please contact your local waste authority.

Special Precautions:

This material and its container must be disposed of safely.

Use caution when handling empty, untreated containers.

Avoid dispersion of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residue. Do not reuse empty containers.

#### **SECTION 14. Transportation Information**

##### **14.1. Numero UN the number ID**

N.O.

##### **14.2. Official UN Transport Designation**

N.O.

##### **14.3. Transport-related hazard classes**

N.O.

##### **14.4. Packaging Group**

N.O.

##### **14.5. Hazards to the Environment**

N.O.

##### **14.6. Special Precautions for Users**

N.O.

##### **14.7. Maritime Bulk Transport in accordance with IMO Acts**

N.O.

#### **SECTION 15. Regulatory Information**

##### **15.1. Health, safety and environmental laws and regulations specific to the substance or mixture**

- Legislative Decree 9/4/2008 n.81
- D.M. Lavoro 26/02/2004 (Occupational exposure limits)
- Regulation (EC) No 1907/2006 (REACH)
- Regulation (EC) No 1272/2008 (CLP)
- Regulations (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013
- Regulation (EU) 2020/878

**For more technical information:**

[EDMEC D.M.](mailto:info@edmec.it)

[Via Scala n°628/D - 41038 San Felice s/P \(MO\)](mailto:info@edmec.it)

[Part. VAT and Tax Code: 03728460365](mailto:info@edmec.it)

[info@edmec.it – www.edmec.it](mailto:info@edmec.it)

- Regulation (EU) No 286/2011 (ATP 2 CLP)
- Regulation (EU) No 618/2012 (ATP 3 CLP)
- Regulation (EU) No 487/2013 (ATP 4 CLP)
- Regulation (EU) No 944/2013 (ATP 5 CLP)
- Regulation (EU) No 605/2014 (ATP 6 CLP)
- Regulation (EU) 2015/1221 (ATP 7 CLP)
- Regulation (EU) 2016/918 (ATP 8 CLP)
- Regulation (EU) 2016/1179 (ATP 9 CLP)
- Regulation (EU) 2017/776 (ATP 10 CLP)
- Regulation (EU) 2018/669 (ATP 11 CLP)
- Regulation (EU) 2018/1480 (ATP 13 CLP)
- Regulation (EU) 2019/521 (ATP 12 CLP)
- Regulation (EU) 2020/217 (ATP 14 CLP)
- Regulation (EU) 2020/1182 (ATP 15 CLP)
- Regulation (EU) 2021/643 (ATP 16 CLP)

Provisions relating to EU Directive 2012/18 (Seveso III):

Category Seveso III according to Annex 1, part 1	Lower Threshold Requirements (Tonnes)	Upper Threshold Requirements (Tonnes)
The product belongs to the categories: P5c	5000	50000

Restrictions on the product or substances contained in accordance with Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments.

Product restrictions: 3, 40

Restrictions on substances contained: 74, 75

Where applicable, please refer to the following regulations:

- Ministerial Circulars 46 and 61 (Aromatic amines).
- Directive 2012/18/EU (Seveso III)
- Regulation 648/2004/EC (detergents).
- D.L. 3/4/2006 n. 152 Environmental regulations
- Dir. 2004/42/CE (Direttiva COV)

Provisions relating to EU Directive 2012/18 (Seveso III): Category Seveso III in accordance with Annex 1, part 1

## 15.2. Chemical Safety Assessment

A chemical safety assessment has not been prepared for the mixture.

## **SECTION 16. Other information**

H226 Flammable liquid and vapours.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes severe eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long-lasting effects.

### **For more technical information:**

EDMEC D.M.

Via Scala n°628/D - 41038 San Felice s/P (MO)

Part. VAT and Tax Code: 03728460365

info@edmec.it – www.edmec.it

<b><u>Hazard class and category</u></b>	<b><u>Description</u></b>
<i>Met. Corr. 1</i>	<i>Substance or mixture corrosive to metals, Category 1</i>
<i>Flam. Liq. 3</i>	<i>Flammable liquid, Category 3</i>
<i>Acute Tox. 4</i>	<i>Acute toxicity (dermal route), Category 4</i>
<i>Skin Corr. 1B</i>	<i>Skin corrosion, Category 1B</i>
<i>Skin Irrit. 2</i>	<i>Skin irritation, Category 2</i>
<i>Eye Dam. 1</i>	<i>Serious eye injury, Category 1</i>
<i>Eye Irrit. 2</i>	<i>Eye irritation, Category 2</i>
<i>Skin Sens. 1</i>	<i>Skin sensitization, Category 1</i>
<i>STOT SE 3</i>	<i>Specific target organ toxicity — single exposure,</i>
<i>Aquatic Chronic 3</i>	<i>Chronic (long-term) hazard to the aquatic environment, Category 3</i>

This fact sheet has been revised in all its sections in accordance with Regulation 2020/878.

This document has been prepared by a competent SDS technician who has received appropriate training.

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road.

**CAS:** Chemical Abstracts Service (divisione della American Chemical Society).

**CLP:** Classification, Labelling, Packaging.

**DNEL:** Derived level with no effect.

**EINECS:** European Inventory of Commercially Available European Chemicals.

**GefStoffVO:** Ordinance on Hazardous Substances in Germany.

**GHS:** Globally Harmonized System of Classification and Labeling of Chemicals.

**IATA:** International Air Transport Association.

**IATA-DGR:** Dangerous Goods Regulations of the "International Air Transport Association" (IATA).

**ICAO:** International Civil Aviation Organization.

**ICAO-TI:** Technical Instructions of the "International Civil Aviation Organization" (ICAO).

**IMDG:** International Maritime Code for Dangerous Goods.

**INCI:** International Nomenclature of Cosmetic Ingredients.

**KSt:** Coefficient of explosion.

**LC50:** Lethal concentration for 50 percent of the test population.

**LD50:** Lethal dose for 50 percent of the test population.

**PNEC:** Predicted concentration with no effect.

**RID:** Regulation Concerning the International Carriage of Dangerous Goods by Rail.

**STA:** Estimation of Acute Toxicity

**STAmix:** Estimation of Acute Toxicity (Mixtures)

**STEL:** Short-term exposure limit.

**STOT:** Organ-specific toxicity.

**TLV:** Threshold limit value.

**TWA:** Time-Weighted Average

**WGK:** Water Hazard Class (Germany).

**For more technical information:**

EDMEC D.M.

Via Scala n°628/D - 41038 San Felice s/P (MO)

Part. VAT and Tax Code: 03728460365

info@edmec.it – www.edmec.it