



# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

## Placas: PLADUR® ENAIRGY ISOPOP, PLADUR® ENAIRGY ISOPOP+



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### **Inhalation.**

If breathing stops, give artificial respiration and seek immediate medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

### **Eye contact.**

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up and seek medical assistance.

### **Skin contact.**

Remove contaminated clothing.

### **Ingestion.**

Keep calm. NEVER induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed.**

No known acute or delayed effects from exposure to the product.

### **4.3 Indication of any immediate medical attention and special treatment needed.**

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## **SECTION 5: FIREFIGHTING MEASURES.**

### **5.1 Extinguishing media.**

#### **Suitable extinguishing media:**

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

#### **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

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

#### **Special risks.**

Exposure to combustion or decomposition products can be harmful to your health.

### **5.3 Advice for firefighters.**

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

### **Fire protection equipment.**

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

### **6.1 Personal precautions, protective equipment and emergency procedures.**

For exposure control and individual protection measures, see section 8.

### **6.2 Environmental precautions.**

Product not classified as hazardous for the environment, avoid spillage as much as possible.

### **6.3 Methods and material for containment and cleaning up.**

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

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

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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### SECTION 7: HANDLING AND STORAGE.

#### 7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

#### 7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidising agents and from highly acidic or alkaline materials.

Store the containers between 5 and 35 °C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

#### 7.3 Specific end use(s).

Not available.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

#### 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m <sup>3</sup>	
Sulfuric acid, calcium salt, hydrate (1:1:2)	10101-41-4	United Kingdom [1]	<b>Eight hours</b>		10 (inhalable dust) 4 (respirable)	
			<b>Short term</b>			
		Éire [2] (n/a)	<b>Eight hours</b>		10 (inhalable dust) 4 (respirable dust)	
			<b>Short term</b>			
2-methylpentane-2,4-diol	107-41-5	United Kingdom [1]	<b>Eight hours</b>	25	123	
			<b>Short term</b>	25	123	
		Éire [2] (n/a)	<b>Eight hours</b>			
			<b>Short term</b>	25	125	
sodium hydroxide, caustic soda	1310-73-2	United Kingdom [1]	<b>Eight hours</b>			
			<b>Short term</b>		2	
		Éire [2] (n/a)	<b>Eight hours</b>			
			<b>Short term</b>		2	
		United States [3] (Cal/OSHA)	<b>Eight hours</b>	(Ceiling) 2		
			<b>Short term</b>			
United States [4] (NIOSH)	<b>Eight hours</b>			(Ceiling) 2		
	<b>Short term</b>					
United States [5] (OSHA)	<b>Eight hours</b>			2		
	<b>Short term</b>					
Kaolin	1332-58-7	United Kingdom [1]	<b>Eight hours</b>		2	
			<b>Short term</b>			
		Éire [2] (n/a)	<b>Eight hours</b>		2	
			<b>Short term</b>			

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		United States [3] (Cal/OSHA)	<b>Eight hours</b>		2 (Respirable fraction) (no asbestos, < 1% crystalline silica)
			<b>Short term</b>		
		United States [4] (NIOSH)	<b>Eight hours</b>		10 (Total dust) 5 (Respirable fraction)
			<b>Short term</b>		
		United States [5] (OSHA)	<b>Eight hours</b>		15 (Total dust) 5 (Respirable fraction)
			<b>Short term</b>		

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[2] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
2-methylpentane-2,4-diol CAS No: 107-41-5 EC No: 203-489-0	DNEL (Workers)	Inhalation, Chronic, Local effects	49 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	14 (mg/m <sup>3</sup> )
trisodium nitrilotriacetate CAS No: 5064-31-3 EC No: 225-768-6	DNEL (Workers)	Inhalation, Chronic, Systemic effects	3,2 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	0,8 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Short term, Systemic effects	9,6 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Short term, Systemic effects	2,4 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Oral, Chronic, Systemic effects	0,3 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Short term, Systemic effects	0,9 (mg/kg bw/day)
sodium hydroxide, caustic soda CAS No: 1310-73-2 EC No: 215-185-5	DNEL (Workers)	Inhalation, Chronic, Local effects	1 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Chronic, Local effects	1 (mg/m <sup>3</sup> )
boric acid CAS No: 10043-35-3 EC No: 233-139-2	DNEL (Workers)	Inhalation, Chronic, Systemic effects	8,3 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
trisodium nitrilotriacetate CAS No: 5064-31-3 EC No: 225-768-6	aqua (freshwater)	0,93 (mg/l)
	aqua (marine water)	0,093 (mg/l)
	aqua (intermittent releases)	0,8 (mg/l)
	STP	270 (mg/l)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

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### 8.2 Exposure controls.

#### Measures of a technical nature:

<b>Concentration:</b>	<b>100 %</b>
<b>Uses:</b>	<b>Industrial use, Professional uses Construction product</b>
<b>Breathing protection:</b>	
If the recommended technical measures are observed, no individual protection equipment is necessary.	
<b>Hand protection:</b>	
If the product is handled correctly, no individual protection equipment is necessary.	
<b>Eye protection:</b>	
If the product is handled correctly, no individual protection equipment is necessary.	
<b>Skin protection:</b>	
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Physical state: Solid

Colour: Black

Odour: Not Applicable

Odour threshold: Not applicable

Melting point: Not applicable

Freezing point: Not applicable

Boiling point or initial boiling point and boiling range: Not applicable

Flammability: Not applicable

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Flash point: >60 °C

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

pH: Not applicable/Not available due to the nature/properties of the product

Kinematic viscosity: Not applicable

Solubility: Not applicable

Hydrosolubility: Not applicable

Liposolubility: Not applicable

Partition coefficient n-octanol/water (log value): Not applicable

Vapour pressure: Not applicable

Absolute density: Not applicable

Relative density: Not applicable

Relative vapour density: Not applicable

Particle characteristics: Not applicable

### 9.2 Other information

Viscosity: Not applicable

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Dropping point: Not applicable

Blink: Not applicable

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

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### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

#### Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
N-carboxymethyliminobis (ethylenenitrilo)tetra (acetic acid)  CAS No: 140-01-2      EC No: 205-391-3	Oral			
	Dermal			
	Inhalation	ETA		1.5 mg/l [1]
sodium hydroxide, caustic soda  CAS No: 1310-73-2      EC No: 215-185-5	Oral	LD50	Rabbit	325 mg/kg bw [1]
		[1] Naunyn-Schmiedeberg's (1937), Archiv für experimentielle Pathologie und Pharmakologie (Berlin, Germany), 184, 587-604		
	Dermal			
Inhalation				

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

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

c) serious eye damage/irritation;

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

d) respiratory or skin sensitisation;

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

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

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

g) reproductive toxicity;

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

h) STOT-single exposure;

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Not conclusive data for classification.

i) STOT-repeated exposure;  
Based on available data, the classification criteria are not met.

j) aspiration hazard;  
Not conclusive data for classification.

### 11.2 Information on other hazards.

#### **Endocrine disrupting properties**

This product does not contain components with endocrine-disrupting properties with effects on human health.

#### **Other information**

There is no information available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
sodium hydroxide, caustic soda  CAS No: 1310-73-2    EC No: 215-185-5	Fish	Minimal Lethal Concentration	Notropis sp.	100 mg/L (120 h) [1]
				[1] Van Horn et al. (1949), Effects of Kraft Mill Wastes, American Fisheries Society
	Aquatic invertebrates	LC50	Ophryotrocha diadema	33 mg/L (48 h) [1]
			[1] Parker JG (1984), Wat Res, 18, 865-868	
	Aquatic plants			

### 12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

### 12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

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### SECTION 13: DISPOSAL CONSIDERATIONS.

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

#### 14.1 UN number or ID number.

Transportation is not dangerous.

#### 14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

#### 14.3 Transport hazard class(es).

Transportation is not dangerous.

#### 14.4 Packing group.

Transportation is not dangerous.

#### 14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

#### 14.6 Special precautions for user.

Transportation is not dangerous.

#### 14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

### SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

#### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is recommended that the product only be employed for the purposes advised.

Gypsum is composed of **calcium sulphate (CaSO<sub>4</sub>)**. The impurities in gypsum products usually contain clays, carbonates or marls depending on the location of the quarries where the mineral is extracted and these may contain small concentrations of silica (amorphous or crystalline).

Gypsum products have no or very low percentages of silica, and even if silica is present, its presence is so low that it should not pose a significant health risk.

If powdery material may be generated due to the handling of gypsum products, the use of a mask is recommended, as well as ensuring that the workplace is well ventilated, and the use of gloves and safety goggles is also recommended.

Abbreviations and acronyms used:

CEN:      European Committee for Standardization.

PPE:      Personal protection equipment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.