



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

#### 1.1. Product identifier

Product name : PATE DIAMANTEE PM  
Product code : 05001 A 05018.  
DIAMOND PASTE PM / DIAMANTPASTE PM

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

Paste for polishing or grinding

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : PRESI S.A.S.  
Address : 11 Rue du vercors.38320.EYBENS.France.  
Telephone : +33 (0)4.76.72.00.21. Fax : +33 (0)4.76.72.05.84.  
presi@presi.com  
www.presi.com

#### 1.4. Emergency telephone number : +33 (0)1.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).  
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :  
EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>  
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

##### Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 56-81-5 EC: 200-289-5  GLYCEROL		[1]	10 $\leq$ x % < 25
CAS: 25322-68-3 EC: 500-038-2  POLYETHYLENEGLYCOL (PEG-90)		[1]	2.5 $\leq$ x % < 10



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CAS: 25322-68-3 EC: 500-038-2  POLYETHYLENEGLYCOL		[1]	2.5 <= x % < 10
CAS: 25322-68-3 EC: 500-038-2  POLYETHYLENEGLYCOL (PEG-6)		[1]	2.5 <= x % < 10
INDEX: 603-009-00-3 CAS: 108-93-0 EC: 203-630-6  CYCLOHEXANOL	GHS07 Wng Acute Tox. 4, H332 Acute Tox. 4, H302 STOT SE 3, H335 Skin Irrit. 2, H315	[1]	2.5 <= x % < 10

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures**

**In the event of swallowing :**

Seek medical attention, showing the label.

Do not induce vomiting without medical advice

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

No data available.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

Incomplete combustion produces toxic gases, such as CO, CO<sub>2</sub>, various forms of hydrocarbons, aldehydes, etc..., and soots



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**5.3. Advice for firefighters**

A release of toxic smokes is possible. Use a respiratory system

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

Cleaning with water

Contaminated surfaces will be extremely slippery

**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

Stock between 15°C and 25°C

Keep the container tightly closed in a cool, well ventilated place

Keep the container away from dampness

**Packaging**

Always keep in packaging made of an identical material to the original.

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

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m <sup>3</sup>				
108-93-0	50 ppm			Skin	

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
56-81-5		200 mg/m <sup>3</sup>		2 (I)
108-93-0	50 ml/m <sup>3</sup>	210 mg/m <sup>3</sup>	1(I)	DFG. H

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- Canada / Ontario (Control of exposure to biological or chemical agents, regulation 491/2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m <sup>3</sup>	-	-	-	-

- Canada / Quebec (Regulations on occupational health and safety) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	10 mg/m <sup>3</sup>				
108-93-0	50 ppm 206 mg/m <sup>3</sup>			Pc	

- France (INRS - ED984 / 2019-1487) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
56-81-5	-	10	-	-	-	-
108-93-0	50	200	75	300	-	84

- Japan (JSOH, 17/05/2018) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
108-93-0	25 ppm 102 mg/m <sup>3</sup>				

- Switzerland (SUVAPRO 2017) :

CAS	VME	VLE	Valeur plafond	Notations
56-81-5	50 i mg/m <sup>3</sup>	100 i mg/m <sup>3</sup>		SSC
25322-68-3	1000 mg/m <sup>3</sup>			SSC
25322-68-3	1000 mg/m <sup>3</sup>			SSC
25322-68-3	1000 mg/m <sup>3</sup>			SSC
108-93-0	50 ppm 200 mg/m <sup>3</sup>	50 ppm 200 mg/m <sup>3</sup>		R

- USA / NIOSH IDLH (National Institute for Occupational Safety and Health, Immediately Dangerous to Life or Health Concentrations) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
108-93-0	50 ppm 200 mg/m <sup>3</sup>			skin	

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
56-81-5	- ppm 10 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			
108-93-0	50 ppm 208 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			

## 8.2. Exposure controls

### Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Safety glasses

#### - Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2



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**- Body protection**

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

To envisage normal working clothes

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**General information :**

Physical state : Paste.  
Odour: Slight

**Important health, safety and environmental information**

pH : Not stated.  
Slightly acidic.  
Boiling point/boiling range : Not relevant.  
Flash Point Interval : 60°C < FP <= 93°C  
Vapour pressure (50°C) : Not relevant.  
Density : > 1  
Water solubility : Soluble.  
Melting point/melting range : Not relevant.  
Self-ignition temperature : 0 °C.  
Decomposition point/decomposition range : Not relevant.

**9.2. Other information**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :  
- heat  
- flames and hot surfaces

**10.5. Incompatible materials**

Keep away from :  
- strong acids  
- oxidising agents

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)  
- carbon dioxide (CO<sub>2</sub>)

Incomplete combustion produces toxic gases, such as CO, CO<sub>2</sub>, various forms of hydrocarbons, aldehydes, etc..., and soots



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## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No data available.

#### 11.1.1. Substances

##### Acute toxicity :

POLYETHYLENEGLYCOL (PEG-6) (CAS: 25322-68-3)

Oral route : LD50 > 5.000 mg/kg  
Species : Rat

POLYETHYLENEGLYCOL (CAS: 25322-68-3)

Oral route : LD50 > 5.000 mg/kg  
Species : Rat

POLYETHYLENEGLYCOL (PEG-90) (CAS: 25322-68-3)

Oral route : LD50 > 5.000 mg/kg  
Species : Rat

GLYCEROL (CAS: 56-81-5)

Oral route : LD50 = 12600 mg/kg  
Species : Rat

Dermal route : LD50 = 21900 mg/kg  
Species : Rat

Inhalation route (Vapours) : LC50 > 2.75 mg/l  
Species : Rat

##### Serious damage to eyes/eye irritation :

Irritating to eyes

#### 11.1.2. Mixture

##### Respiratory or skin sensitisation :

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons

##### Other information

Not carcinogen

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## SECTION 12 : ECOLOGICAL INFORMATION

### 12.1. Toxicity

The product should not be harmful for the watery species

#### 12.1.1. Substances

POLYETHYLENEGLYCOL (PEG-6) (CAS: 25322-68-3)

Fish toxicity : LC50 > 100 mg/l  
Species : Leuciscus idus

Crustacean toxicity : EC50 > 100 mg/l  
Species : Daphnia magna  
Duration of exposure : 24 h

POLYETHYLENEGLYCOL (CAS: 25322-68-3)

Fish toxicity : LC50 > 100 mg/l



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	Species : Leuciscus idus
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 24 h
POLYETHYLENEGLYCOL (PEG-90) (CAS: 25322-68-3)	
Fish toxicity :	LC50 > 100 mg/l Species : Leuciscus idus
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 24 h
GLYCEROL (CAS: 56-81-5)	
Fish toxicity :	LC50 = 54000 mg/l Species : Salmo gairdneri Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 10000 mg/l Species : Daphnia magna Duration of exposure : 24 h

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 12.2. Persistence and degradability

The product should be partially or slowly biodegradable

##### 12.2.1. Substances

GLYCEROL (CAS: 56-81-5)	
Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.
POLYETHYLENEGLYCOL (PEG-6) (CAS: 25322-68-3)	
Chemical oxygen demand :	DCO = 1660 mg/kg
Five-day biochemical oxygen demand :	DBO5 < 10000 mg/kg
Biodegradability :	Rapidly degradable.
POLYETHYLENEGLYCOL (CAS: 25322-68-3)	
Chemical oxygen demand :	DCO = 1660 mg/kg
Five-day biochemical oxygen demand :	DBO5 < 10000 mg/kg
Biodegradability :	Rapidly degradable.
POLYETHYLENEGLYCOL (PEG-90) (CAS: 25322-68-3)	
Chemical oxygen demand :	DCO = 1660 mg/kg
Five-day biochemical oxygen demand :	DBO5 < 10000 mg/kg
Biodegradability :	Rapidly degradable.



### **12.3. Bioaccumulative potential**

The product should not accumulate in living organisms

### **12.4. Mobility in soil**

The product is not volatile; it is soluble partly in water

It evaporates slowly if released into the soil

### **12.5. Results of PBT and vPvB assessment**

No data available.

### **12.6. Other adverse effects**

No data available.

### **German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :**

WGK 1 : Slightly hazardous for water.

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## **SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### **13.1. Waste treatment methods**

Do not pour into drains or waterways.

#### **Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Respect the local and national regulations

#### **Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Respect the local and national regulations

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## **SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

### **14.1. UN number**

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### **14.2. UN proper shipping name**

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

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### **14.4. Packing group**

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### **14.5. Environmental hazards**

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### **14.6. Special precautions for user**

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## **SECTION 15 : REGULATORY INFORMATION**

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

#### **- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/217 (ATP 14)





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**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :**

WGK 1 : Slightly hazardous for water.

**15.2. Chemical safety assessment**

No data available.

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**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

**Abbreviations :**

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.