

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

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

#### 1.1 Product identifier

Trade name: **PATLUB CERAMIQUE**

Article number: 307361

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

No further relevant information available.

#### Application of the substance / the mixture

Antiseize paste  
Restricted to professional users.

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

Manufacturer/Supplier: IPC  
10 Quai Malbert, 29200, BREST, FRANCE.  
Tel. : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53  
ipc@groupe-ipc.com

#### 1.4 Emergency telephone number:

Poison Control Centre : 0845 4647

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02 GHS07

##### Signal word

Danger

##### Hazard-determining components of labelling:

##### Hazard statements

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 1)

- **Additional information:** EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Active substance with propellant

- **Dangerous components:**

EC number: 927-241-2	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	25-50%
Reg.nr.: 01-2119471843-32	Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Seek immediate medical advice.  
Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** If swallowed or in case of vomiting, danger of entering the lungs.  
Medical supervision for at least 48 hours.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.  
Foam  
Fire-extinguishing powder  
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Heat (or fire) will increase pressure and may lead to the receptacle bursting.  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide and carbon dioxide  
Hydrocarbons  
Hydrogen fluoride (HF)

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not applicable, as aerosol.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.  
Send for recovery or disposal in suitable receptacles.  
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep away from heat and direct sunlight.  
Use only in well ventilated areas. Do not breathe vapors or spray mist.  
Avoid contact with skin, eyes and clothing.  
Take note of emission threshold.
- **Information about fire - and explosion protection:** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Keep ignition sources away - Do not smoke.  
Do not spray onto a naked flame or any incandescent material.  
Protect against electrostatic charges.  
Use explosion-proof apparatus / fittings and spark-proof tools.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions.  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 3)

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs**

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Dermal	Long term systemic effects	77 mg/kg (Travailleurs / Workers)
Inhalative	Long term systemic effects	871 mg/m <sup>3</sup> (Travailleurs / Workers)

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Wash hands before drinking, eating or smoking.

Do not inhale gases / fumes / aerosols.

Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Safety glasses

- **Body protection:**

Use protective suit.

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 4)

### SECTION 9: Physical and chemical properties

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

##### · General Information

· <b>Physical state</b>	Aerosol
· <b>Colour:</b>	White
· <b>Odour:</b>	Solvent-like
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	Not applicable, as aerosol.
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	0.7 Vol %
· <b>Upper:</b>	7.0 Vol %
· <b>Flash point:</b>	Not applicable, as aerosol.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	4200 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 25 °C:</b>	0.850 g/cm <sup>3</sup> (NF EN ISO 12185) Value of active product without gas.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

#### · 9.2 Other information

	Physical and chemical properties of the active ingredient without gas.
· <b>Appearance:</b>	
· <b>Form:</b>	Aerosol
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Not determined.
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not applicable.

#### · Information with regard to physical hazard classes

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated. Combustion heat : 34 kJ/g
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 5)

· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

· <b>10.1 Reactivity</b>	No further relevant information available.
· <b>10.2 Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used and stored according to specifications.
· <b>10.3 Possibility of hazardous reactions</b>	None when normally used.
· <b>10.4 Conditions to avoid</b>	Heat, flames and sparks. Avoid the accumulation of electrostatic charges. Temperature > 50°C.
· <b>10.5 Incompatible materials:</b>	Materials to avoid: strong acids. oxidizing
· <b>10.6 Hazardous decomposition products:</b>	No decomposition if used and stored according to specifications.

### SECTION 11: Toxicological information

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

- **LD/LC50 values relevant for classification:**

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50.	>5,000 mg/kg (Rat) (OCDE 401)
Dermal	LD50.	>5,000 mg/kg (rab) (OCDE 402)
Inhalative	LC50/8h.	>5,000 mg/kg (Rat)

- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

NOELR	<1 mg/l (Pseudokirchneriella subcapitata)
EL 50 (48h)	22-46 mg/l (Daphnia)
LL50 (96h)	10-30 mg/l (Oncorhynchus mykiss) (OECD 203)

(Contd. on page 7)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 6)

EL50 (72H)	>1,000 mg/l (Pseudokirchneriella subcapitata)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
The product contains materials that are harmful to the environment.  
Harmful to aquatic organisms

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Send to an approved waste facility.  
Do not allow product to reach sewage system or any water course.
- **Uncleaned packaging:**
- **Recommendation:** Send to an approved waste facility.  
Disposal must be made according to official regulations.  
Do not pierce or burn, even after use.

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 2 5F Gases.

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 7)

· <b>Label</b>	2.1
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	2.1 Gases.
· <b>Label</b>	2.1
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Warning: Gases.
· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

GB

(Contd. on page 9)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 04.05.2022

Version number 3

Revision: 04.05.2022

**Trade name: PATLUB CERAMIQUE**

(Contd. of page 8)

### SECTION 15: Regulatory information

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

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I

None of the ingredients is listed.

- Seveso category

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

- Qualifying quantity (tonnes) for the application of lower-tier requirements

5.000 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements

50.000 t

- National regulations:

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

- 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Shelf-life : 24 months from the date it was manufactured.

- Relevant phrases

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Aerosol 1: Aerosols – Category 1

Flam. Liq. 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- \* Data compared to the previous version altered.