

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

#### 1.1. Product identifier

Product name : PATE GRN  
Product code : 613.

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

Anti-seizing paste  
Professional use

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

Registered company name : ORAPI.  
Address : PARC INDUSTRIEL DE LA PLAINE DE L'AIN - 225 ALLEE DES CEDRES.01150.SAINT-VULBAS.FRANCE.  
Telephone : 33-(0)4-74-40-20-20. Fax : 33-(0)4-74-40-20-21.  
fds@orapi.com

#### 1.4. Emergency telephone number : 33-(0)1-45-42-59-59.

Association/Organisation : INRS .

#### Other emergency numbers

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

### >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.

No labelling requirements for this mixture.

#### > 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.  
The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

##### Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 7782-42-5 EC: 231-955-3 REACH: 01-2119486977-12 GRAPHITE		[1]	10 $\leq$ x % < 25

##### 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.

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**4.1. description of first aid measures**

**In the event of exposure by inhalation :**

In case of massive inhalation, transport the patient to fresh air and keep him warm and at rest.  
Consult a doctor in case of disorder.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
If pain, redness or visual discomfort occurs, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove impregnated clothing and wash skin thoroughly with soap and water or use a known cleanser.  
Consult a doctor if irritation occurs.

**In the event of swallowing :**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.  
Keep the person exposed at rest. Do not force vomiting.  
Seek medical attention, showing the label.  
If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11.

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

Treat symptomatically.

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> **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>)
- various hydrocarbons
- aldehydes

**5.3. Advice for firefighters**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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> **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

Product spillage can make surfaces slippery.

> **For non first aid worker**

Avoid contact with skin and eyes.  
Provide adequate ventilation.

**For first aid worker**

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

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**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Collect the product using mechanic systems.

**> 6.4. Reference to other sections**

See sections 8 and 13.

**>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.

Ensure adequate ventilation, especially in enclosed areas.

Avoid contact with skin, eyes and clothings.

Do not breathe vapours, fumes, mists.

**Fire prevention :**

Handle in well-ventilated areas.

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.

Packages which have been opened must be reclosed carefully and stored in an upright position.

**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**

No data available.

**> Storage**

Keep the container tightly closed in a dry, well-ventilated place.

Store away from heat, weather, moisture and frost.

**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 :
7782-42-5	2 (R) mg/m3				

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
7782-42-5	-	2 A	-	-	-	25

Oil mist : VME = 1 mg/m3 (INRS) - VLE = 10 mg/m3 (15min), VME = 5 mg/m3 (8h) (ACGIH)

**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.

Before any handling, it is necessary to wear safety glasses in accordance with the NF EN166 standard.

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**- 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))
- Teflon® (Polytetrafluoroethylene (PTFE))
- Viton® (Hexafluoropropylene copolymer and vinylidene fluoride)

**- Body protection**

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.

**> - Respiratory protection**

Respiratory protection when releasing vapours/aerosols: combined filter against gases/vapours of organic compounds and against solid and liquid particles (e.g. EN 14387 type A-P2).

Avoid inhalation.

Do not use in enclosed, unventilated spaces.

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**>SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**

Physical state : Paste.

**> Colour**

Black

**> Odour**

Odour threshold : Not stated.

**> Melting point**

Melting point/melting range : Not relevant.

**> Freezing point**

Freezing point / Freezing range : Not stated.

**> Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not relevant.

**> Flammability**

Flammability (solid, gas) : Not stated.

**> Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**> Flash point**

Flash point interval : Not relevant.

**> Auto-ignition temperature**

Self-ignition temperature : Not relevant.

**> Decomposition temperature**

Decomposition point/decomposition range : Not relevant.

**> pH**

pH (aqueous solution) : Not stated.

pH : Not relevant.

**> Kinematic viscosity**

Viscosity : Not stated.

**> Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

**> Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : Not stated.

**> Relative vapour density**

Vapour density : Not stated.

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> **9.2. Other information**

No data available.

> **9.2.1. Information with regard to physical hazard classes**

No data available.

> **9.2.2. Other safety characteristics**

No data available.

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> **SECTION 10 : STABILITY AND REACTIVITY**

> **10.1. Reactivity**

No known dangerous reactions under normal conditions of use.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

**10.4. Conditions to avoid**

Avoid :

- heat
- flames and hot surfaces
- accumulation of electrostatic charges.
- points of ignition

**10.5. Incompatible materials**

Keep away from :

- strong oxidising agents
- fluorine
- chlorine trifluoride

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

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

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**SECTION 11 : TOXICOLOGICAL INFORMATION**

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

Splashes in the eyes may cause irritation and reversible damage

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture**

No toxicological data available for the mixture.

**11.2. Information on other hazards**

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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

No data available.

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**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

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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.

**Soiled packaging :**

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

Give to a certified disposal contractor.

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**>SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

> **14.1. UN number or ID 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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> **14.7. Maritime transport in bulk according to IMO instruments**

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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. 2022/692 (ATP 18)

> **- Container information:**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

**- Particular provisions :**

No data available.

**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.

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**|> Abbreviations :**

- REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
  - STEL : Short-term exposure limit
  - TWA : Time Weighted Averages
  - TMP : French Occupational Illness table
  - TLV : Threshold Limit Value (exposure)
  - AEV : Average Exposure Value.
  - 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.
- |> Modification compared to the previous version