

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : VAR - PTFE GREASE  
Product code : NL-76400 - NL-78400  
Product group : Trade product

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Professional use, Consumer use  
Use of the substance/mixture : Lubricant

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Distributor**

VAR SAS  
19 Avenue Gustave Eiffel  
Lot D6 Espace Eiffel  
28630 Gellainville - FRANCE  
T +33 (0)2 33 33 37 10  
[contact@vartools.com](mailto:contact@vartools.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company  | Address                           | Emergency number | Comment                           |
|----------------|---|-----------------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Cardiff Centre)<br>University Hospital Llandough | Penlan Road<br>CF64 2XX Llandough | 0344 892 0111    | Only for healthcare professionals |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Child-resistant fastening : Not applicable  
Tactile warning : Not applicable

**2.3. Other hazards**

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier   | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|--------|---|
| Titanium dioxide substance with national workplace exposure limit(s) (GB) | CAS-No.: 13463-67-7<br>EC-No.: 236-675-5<br>REACH-no: 01-2119489379-17 | 5 – 10 | Not classified  |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Move the affected person away from the contaminated area and into the fresh air.                                     |
| First-aid measures after skin contact | : Remove contaminated clothing and shoes. Wash skin with mild soap and water. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact  | : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum).                   |
| First-aid measures after ingestion    | : Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.                                |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause headache, nausea and irritation of respiratory tract.   |
| Symptoms/effects after skin contact | : Prolonged or repeated contact with the skin may cause dermatitis. |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Carbon dioxide. Dry chemical. Foam.   |
| Unsuitable extinguishing media | : Do not use a heavy water stream. Do not use a solid water stream as it may scatter and spread fire. |

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

|  |  |
|--|--|
| Hazardous decomposition products in case of fire | : Toxic and irritating gases are released. |
|--|--|

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Prevent fire fighting water from entering the environment. Exercise caution when fighting any chemical fire.   |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not breathe fumes from fires or vapours from decomposition. |

### SECTION 6: Accidental release measures

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

|                  |   |
|------------------|---|
| General measures | : May be dangerously slippery if spilled. |
|------------------|---|

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### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

### 6.1.2. For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

## 6.2. Environmental precautions

Dike and contain spill. Stop leak without risks if possible.

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

Methods for cleaning up : Collect all waste in suitable and labelled containers and dispose according to local legislation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

## 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For disposal of residues refer to section 13 : Disposal considerations" .

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : May be dangerously slippery if spilled.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Avoid prolonged and repeated contact with skin.

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

Storage conditions : Keep away from food, drink and animal feeding stuffs. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep only in original container. Protect from moisture. Keep container closed when not in use.  
Heat and ignition sources : Keep away from heat sources, open flames, Sparks. No smoking. Remove all sources of ignition.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Titanium dioxide (13463-67-7)                      |  |
|--|--|
| EU - Indicative Occupational Exposure Limit (IOEL) |  |
| Local name   | Titanium dioxide   |
| Remark   | (Ongoing)  |
| Regulatory reference                               | SCOEL Recommendations  |
| United Kingdom - Occupational Exposure Limits      |  |
| Local name   | Titanium dioxide   |
| WEL TWA (OEL TWA) [1]                              | 4 mg/m <sup>3</sup> respirable<br>10 mg/m <sup>3</sup> total inhalable |
| Regulatory reference                               | EH40/2005 (Third edition, 2018). HSE                                   |

#### 8.1.2. Recommended monitoring procedures

No additional information available

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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Avoid contact with eyes

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Nitrile rubber gloves. Time of penetration is to be checked with the glove producer

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

##### Other information:

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                           |                                |
|---------------------------|--------------------------------|
| Physical state            | : Solid                        |
| Colour                    | : white.                       |
| Appearance                | : Pasty.                       |
| Odour                     | : characteristic.              |
| Odour threshold           | : Not available                |
| Melting point             | : Not available                |
| Freezing point            | : Not available                |
| Boiling point             | : Not available                |
| Flammability              | : Not available                |
| Explosive limits          | : Not applicable               |
| Lower explosion limit     | : Not applicable               |
| Upper explosion limit     | : Not applicable               |
| Flash point               | : Not applicable               |
| Auto-ignition temperature | : Not applicable               |
| Decomposition temperature | : Not available                |
| pH                        | : Not available                |
| pH solution               | : Not available                |
| Viscosity, kinematic      | : Not applicable               |
| Solubility                | : Material insoluble in water. |

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|   |                  |
|---|------------------|
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50 °C                        | : Not available  |
| Density   | : Not available  |
| Relative density                                | : Not available  |
| Relative vapour density at 20 °C                | : Not applicable |
| Particle size                                   | : Not available  |
| Particle size distribution                      | : Not available  |
| Particle shape                                  | : Not available  |
| Particle aspect ratio                           | : Not available  |
| Particle aggregation state                      | : Not available  |
| Particle agglomeration state                    | : Not available  |
| Particle specific surface area                  | : Not available  |
| Particle dustiness                              | : Not available  |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

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

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Titanium dioxide (13463-67-7)

|                       |                          |
|-----------------------|--------------------------|
| LD50 oral rat         | > 5000 mg/kg (OECD 425)  |
| LD50 oral             | > 5000 mg/kg bodyweight  |
| LD50 dermal           | > 10000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 6,8 mg/l/4h            |

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### Titanium dioxide (13463-67-7)

|                                   |                  |
|-----------------------------------|------------------|
| LC50 Inhalation - Rat (Dust/Mist) | > 6820 mg/l      |
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |
| STOT-repeated exposure            | : Not classified |
| Aspiration hazard                 | : Not classified |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |                  |
|---|------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

### Titanium dioxide (13463-67-7)

|                                    |                                       |
|------------------------------------|---------------------------------------|
| LC50 - Fish [1]                    | > 100 mg/l (96h, Oncorhynchus mykiss) |
| EC50 - Crustacea [1]               | > 100 mg/l (48h, Daphnia magna)       |
| EC50 - Other aquatic organisms [1] | > 10000 mg/l waterflea                |
| EC50 - Other aquatic organisms [2] | > 10000 mg/l                          |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

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|                |   |
|----------------|---|
| Ecology - soil | Product adsorbs onto the soil. Material insoluble in water. |
|----------------|---|

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

|                        |  |
|------------------------|--|
| Additional information | : Do not discharge the product into the environment. Do not flush into surface water or sewer system |
|------------------------|--|

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Collect all waste in suitable and labelled containers and dispose according to local legislation.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable

##### Rail transport

Not applicable

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

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Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.