

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.06.2024

Version number 3 (replaces version 2)

Revision: 18.04.2024

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

#### 1.1 Product identifier

**Trade name:** THALATTA OIL & GREASE REMOVER**UFI:**

7EPR-ROF4-V00A-6CWK

The product does not contain any nanomaterials.

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

Powerful degreaser. Cleans rapidly grease, oil and tar marks on topcoat and paint. Suitable for oil and grease removal from machinery parts, decks etc.

#### Life cycle stages

IS Use at industrial Sites

PW Widespread use by professional workers

C Consumer use

#### Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

**Product category** PC35 Washing and cleaning products (including solvent based products)**Technical function** Cleaning agent

#### Application of the substance / the mixture

Fat/ Grease solvent

Degreaser

Degreasing agent

**Uses advised against** Not for personal use in this form or concentration

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

##### Manufacturer/Supplier:

VIORYL S.A.

28th km Athens - Lamia Nat. Road

Afidnes, 190 14

Greece

+30 22950 45100

regulatory@vioryl.gr

**Further information obtainable from:** Regulatory Affairs Department

#### 1.4 Emergency telephone number:

Poison centre

(+30) 210 7793777

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

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GHS06 skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

### 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



GHS06



GHS08

**Signal word** Danger

#### Hazard-determining components of labelling:

2-butoxyethanol

Naphtha (petroleum), hydrotreated heavy

#### Hazard statements

H226 Flammable liquid and vapour.

H331 Toxic if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**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:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	>50–≤100%
EINECS: 265-150-3	☠ Asp. Tox. 1, H304	
CAS: 111-76-2	2-butoxyethanol	>25–≤50%
EINECS: 203-905-0	☠ Acute Tox. 3, H331; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1200 mg/kg LC50/4 h inhalative: 3 mg/l	
CAS: 34590-94-8	Dipropylene glycol monomethyl ether (dowanol DPM)	>2.5–≤10%
EINECS: 252-104-2	substance with a Community workplace exposure limit	
CAS: 160875-66-1	Propoxylated ethoxylate	>2.5–<10%
	☠ Eye Irrit. 2, H319	

**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:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out into the fresh air.

**After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing:**

If symptoms persist consult doctor.

A person vomiting while laying on their back should be turned onto their side.

Seek immediate medical advice.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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**4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

#### 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 receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

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

##### Storage:

**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Store away from foodstuffs.

##### Further information about storage conditions:

Keep container tightly sealed.

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Store receptacle in a well ventilated area.

**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:****CAS: 111-76-2 2-butoxyethanol**TWA (Greece) Long-term value: 120 mg/m<sup>3</sup>, 25 ppm

Δ

**CAS: 34590-94-8 Dipropylene glycol monomethyl ether (dowanol DPM)**TWA (Greece) Short-term value: 900 mg/m<sup>3</sup>, 150 ppmLong-term value: 600 mg/m<sup>3</sup>, 100 ppm

Δ

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

#### 8.2 Exposure controls

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection**

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

**Material of gloves**

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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**Eye/face protection**

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Fluid
<b>Colour:</b>	colourless to pale yellow
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	>100 °C (CAS: 160875-66-1 Propoxylated ethoxylate)
<b>Flammability</b>	Flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol % (CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy)
<b>Upper:</b>	10.6 Vol % (CAS: 111-76-2 2-butoxyethanol)
<b>Flash point:</b>	55.6 °C
<b>Auto-ignition temperature:</b>	>100 °C (CAS: 160875-66-1 Propoxylated ethoxylate)
<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>	1.2 hPa (CAS: 111-76-2 2-butoxyethanol)
<b>Vapour pressure at 50 °C:</b>	5.3 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.815–0.855 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Not determined.**Solvent content:****Organic solvents:** 35.0 %**VOC (EC)** 35.00 %

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<b>VOCV (CH)</b>	35.00 %
<b>Solids content:</b>	0.0 %
<b>Refractive index</b>	1.427-1.437
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<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****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Toxic if inhaled.**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Oral LD50 4000 mg/kg (ATE)

Inhalative LC50/4 h 10 mg/l (ATE)

**CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral LD50 &gt;5000 mg/kg (rat)

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Dermal LD50 &gt;3000 mg/kg (rab)

**CAS: 111-76-2 2-butoxyethanol**

Oral LD50 1200 mg/kg (ATE)

1480 mg/kg (rat)

Dermal LD50 400 mg/kg (rab)

Inhalative LC50/4 h 3 mg/l (ATE)

**CAS: 34590-94-8 Dipropylene glycol monomethyl ether (dowanol DPM)**

Oral LD50 5135 mg/kg (rat)

Dermal LD50 &gt;19000 mg/kg (rab)

**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** May be fatal if swallowed and enters airways.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**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****Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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**European waste catalogue**

HP3 Flammable

HP4 Irritant - skin irritation and eye damage

HP6 Acute Toxicity

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

UN1992

**14.2 UN proper shipping name**

ADR

1992 FLAMMABLE LIQUID, TOXIC, N.O.S.

IMDG

FLAMMABLE LIQUID, TOXIC, N.O.S.

IATA

Flammable liquid, toxic, n.o.s.

**14.3 Transport hazard class(es)**

ADR

Class  
Label3 Flammable liquids.  
3+6.1

IMDG

Class  
Label3 Flammable liquids.  
3/6.1

IATA

Class  
Label3 Flammable liquids.  
3 (6.1)**14.4 Packing group**

ADR, IMDG, IATA

III

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Warning: Flammable liquids.

**Hazard identification number (Kemler code):**

36

**EMS Number:**

F-E,S-D

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**Stowage Category** A  
**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

**Transport/Additional information:****ADR**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**Transport category**

3

**Tunnel restriction code**

D/E

**IMDG**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**

UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. 3 (6.1), III

**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**

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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#### 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.  
This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

##### Relevant phrases

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.

**Department issuing SDS:** Regulatory Affairs department

##### Contact:

Regulatory Affairs department  
regulatory@vioryl.gr

**Date of previous version:** 22.03.2024

**Version number of previous version:** 2

##### 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)  
VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
ATE: Acute toxicity estimate values  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 3: Acute toxicity – Category 3  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1

**\* Data compared to the previous version altered.**