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

### 1.1 Product identifier

**Graflock 3243**

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

**Relevant identified uses:** Anaerobic agent for securing threaded joints - medium demountable for general use. Suitable for all metal threaded connections.

**Uses advised against:** No data available

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

**Supplier:**

**Street address:**

**Country/Postcode:**

**Telephone number:**

**E-mail:**

**Madejski Sp. J.**

Makuszyńskiego 28 Street

Poland, 31-752 Kraków

+48 (12) 643 67 67

info@madejski.com.pl

### 1.4 Emergency telephone number:

112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Mixture:**

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

Skin Sens.1 H317 May cause an allergic skin reaction (Sensitisation — Skin) - hazard category 1, 1A, 1B

Eye Irrit.2 H319 Causes serious eye irritation. (Serious eye damage/eye irritation) - hazard category 2

STOT SE.3 H335 May cause respiratory irritation. (Specific target organ toxicity — single exposure) - hazard category 3, Respiratory tract irritation

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects – hazard category 3

### 2.2 Label elements

Contains Polyglycol dimethacrylate, Cumene hydroperoxide

### Supplemental information on the label:

Not applicable

### Hazard pictograms:



### Signal word:

**WARNING**

### Hazard statements:

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting

### Precautionary statements:


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

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water with soap.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P312 Call a POISON CENTER/doctor/ if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

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

### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB..

## SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable

3.2 Mixtures:

Hazardous ingredients according to Regulation (EC) No 1272/2008 and/or substances for which there are Union workplace exposure limits:

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP)
<b>2-[(2-methylprop-2-enoyl)oxy]ethyl 2-methylprop-2-enoate</b>	Index No: - EC No: 607-819-8 CAS No: 25852-47-5 REACH Registration No: *	85<90	Skin Sens.1 H317 Aquatic Chronic 3 H412
<b>Propylidynetrimethyl trimethacrylate</b>	Index No: - EC No: 221-950-4 CAS No: 3290-92-4 REACH Registration No: *	5-<10	Skin Irrit. 2 H315 Eye Irrit. 2 H319
<b>Cumene hydroperoxide</b>	Index No: 617-002-00-8 WE No: 201-254-7 CAS No: 80-15-9 REACH Registration No: *	1-<3	Org. Perox. E H242 Acute Tox.4 H302 Acute Tox.4 H312 Skin Corr.1B H314 Acute Tox.3 H331 STOT RE.2 H373 Aquatic Chronic2 H411
<b>2'-phenylacetohydrazide</b>	Index No: - WE No: 204-055-3 CAS No: 114-83-0 REACH Registration No: *	<1	Acute Tox.3 H301 Skin Irrit.2 H315 Eye Irrit.2 H319 STOT SE.3 H335

Specific Concentration limits for cumene hydroperoxide:

Eye Dam. 1; H318: 3 % ≤ C < 10 %

Skin Corr. 1B; H314: C ≥ 10 %

STOT SE 3; H335: C < 10 %

Skin Irrit. 2; H315: 3 % ≤ C < 10 %

Eye Irrit. 2; H319: 1 % ≤ C < 3 %

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration.


The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Following eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 10 minutes and get medical attention if symptoms occur and persists after washing.

**Following inhalation:** Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

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**Following skin contact:** Immediately remove contaminated clothing. Wash the skin with plenty of water with soap. Contaminated clothing should be washed before re-use. Get medical attention promptly if symptoms occur and persists after washing.

**Following ingestion:** Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation. Call a poison centre or a doctor if you feel unwell.

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

Following inhalation: may cause breathing difficulties.

Following skin contact: skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.

Following eye contact: may cause eye irritation.

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

If any symptoms persist seek medical advice and show the msds or label.

**Notes for the doctor:** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray

**Unsuitable extinguishing media:** do not use water in a jet

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

Thermal decomposition or combustion may liberate carbon oxides, carbon dioxide, nitrogen oxides.

#### 5.3 Advice for firefighters

**Special Fire Fighting Procedures:** Wear full protective clothing and self-contained breathing apparatus.

**Protective equipment for fire-fighters:** Keep containers cool by spraying with water. If possible remove containers from the danger zone. Prevent from spreading or entering drains, ditches or rivers. Dispose of released and contained material in accordance with local regulations.

### SECTION 6: Accidental release measures

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

**For non-emergency personnel:**

Remove from the danger area all persons not involved in the emergency. If necessary, order the evacuation. Avoid contact with skin, eyes. Avoid inhalation of vapours / aerosols. Provide ventilation.

**For emergency responders:**

Wear protective clothing as described in Section 8.

#### 6.2 Environmental precautions

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

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

Absorb with liquid-binding material (eg. sawdust, sand). Collect in a waste container. Dispose of waste according to the applicable local and national regulation. Clean exposed surfaced with an excess of water.


#### 6.4 Reference to other sections

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

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#### Protective measures:

Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from fire, do not smoke. When using do not eat or drink. Avoid direct contact with the product.

#### Advice on general occupational hygiene:

Ensure good ventilation / exhaustion at the workplace. When using do not eat, drink or smoke. Wash hand before and after work with product. Contaminated clothing should be washed before re-use. Provide appropriate exhaust ventilation.

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

Store locked up in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, sunlight, open flame and smoking, cooling, moisture. Do not store together with oxidizing agents, acids, bases, radioactive, pyrophoric substances, flammable substances, Substances or mixtures which, in contact with water emit flammable gases.

#### 7.3 Specific end use(s)

Anaerobic agent

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

International Limits Values: no data available

**DNEL, PNEC-** no data available

#### 8.2 Exposure controls

##### Appropriate engineering controls

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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

##### Eye/face protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166.

##### Skin protection

Hand protection: Use gloves. Gloves must be inspected prior to use. Recommended gloves:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Suitable material:

(Breakthrough time  $\geq$  480 min, penetration time (maximum wearing period): 160 min)

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

Other: Wear protective clothing. Contaminated clothing should be washed before re-use.

##### Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a face respirator.

##### Environmental exposure controls

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

### SECTION 9: Physical and chemical properties

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

Appearance	Blue liquid
Odour	Characteristic
Odour threshold	No data available
pH	No data available



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Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	Not applicable
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

### 9.2 Other information:

VOC : 2 - 20 %

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Not reactive under normal conditions of storage and use.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No further relevant information available.

### 10.4 Conditions to avoid

Avoid high temperatures, direct sunlight, hot surfaces, cooling and moisture.

### 10.5 Incompatible materials

Strong acid, oxidizing agents, strong bases.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

#### Propylidynetrimethyl trimethacrylate

LD0 (rat, oral)	> 2 000 mg/kg bw
LC50 (inhalation)	No data
LD50 (rat,skin)	> 2 000 mg/kg bw



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### Cumene hydroperoxide

LD50 (rat,oral) 382 mg/kg m.c.  
LC50 (mouse,inhalation) 200 ppm  
LD50 (rabbit,skin) 0.126 mL/kg m.c.

### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

### Serious eye damage/irritation

Causes serious eye irritation.

### Respiratory or skin sensitisation

May cause an allergic skin reaction.

### 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

May cause respiratory irritation

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Additional information

No further relevant information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available for the mixture.

#### Cumene hydroperoxide

Fish ( <i>Oncorhynchus mykiss</i> )	LC50	3.9 mg/L	exposition time: 96h
Aquatic invertebrates ( <i>Daphnia magna</i> )	EC50	18.84 mg/L	exposition time: 48h
Algae and bacteria ( <i>Desmodesmus subspicatus</i> )	EC50	3.1 mg/L	exposition time: 72h

#### Propylidynetrimethyl trimethacrylate

Fish	LC50	2 mg/L	exposition time: 96h
Aquatic invertebrates ( <i>Daphnia magna</i> )	EC50	9,22 mg/L	exposition time: 48h
Algae and bacteria	EC50	3,88 mg/	exposition time: 72h

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

Log Pow Propylidynetrimethyl trimethacrylate: 3,53  
Log Pow Cumene hydroperoxide: 2,16

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment


This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**Proposed waste code**

**08 04 09\*** Waste adhesives and sealants containing organic solvents or other hazardous substances

**SECTION 14: Transport Information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1. UN number</b>	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>	No	No	No
<b>14.6. Special precautions for user</b>	Not applicable	Not applicable	Not applicable
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable	Not applicable	Not applicable

**SECTION 15: Regulatory information**

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

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

2014/955/EU: Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council Text with EEA relevance

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

**SECTION 16: Other information**

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

Classification procedure: calculation method

**Skin Sens.1 H317**

**Eye Irrit.2 H319**

**STOT SE.3 H335**

**Aquatic Chronic 3 H412**

**Relevant H-statements (number and full text)**

H242 Heating may cause a fire.


H301 Toxic if swallowed.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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H318 Causes serious eye damage  
 H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.

**Additional Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product between different countries, reflecting the different compliance requirements.