


# SAFETY DATA SHEET



WEICONLOCK AN 302-72

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

### 1.1 Product identifier

**Product name** : WEICONLOCK AN 302-72  
**UFI** :  CK52-G0YF-U00P-E3KG  
**Product code** : 302720  
**Color** : Red.  
**Product description** : Adhesives-Anaerobic  
**Product type** : Liquid.  
**Other means of identification** : Not available.

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

#### Identified uses

Adhesives-Anaerobic

#### Uses advised against

Not applicable.

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

WEICON GmbH & Co. KG  
Königsberger Str. 255,  
48157 Münster, Germany  
phone: +49 251 93220,  
email: [info@weicon.de](mailto:info@weicon.de),  
URL: [www.weicon.de](http://www.weicon.de)

**e-mail address of person responsible for this SDS** : [msds@weicon.de](mailto:msds@weicon.de)

### 1.4 Emergency telephone number

#### National advisory body/Poison Center


**Telephone number** : EMERGENCY CONTACT – UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)  
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

 Skin Sens. 1A, H317  
Aquatic Chronic 3, H412


The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

SECTION 2: Hazards identification

|                                                                                                                                    |                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms                                                                                                                  | :                                                                                                                                    |
| Signal word                                                                                                                        | : Warning                                                                                                                                                                                                             |
| Hazard statements                                                                                                                  | : H317 - May cause an allergic skin reaction.<br>H412 - Harmful to aquatic life with long lasting effects.                                                                                                            |
| <b>Precautionary statements</b>                                                                                                    |                                                                                                                                                                                                                       |
| General                                                                                                                            | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.                                                                                               |
| Prevention                                                                                                                         | : P261 - Avoid breathing vapor.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves.                                                                                                         |
| Response                                                                                                                           | : P362 + P364 - Take off contaminated clothing and wash it before reuse.<br>P302 + P352 - IF ON SKIN: Wash with plenty of water.<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. |
| Storage                                                                                                                            | : Not applicable.                                                                                                                                                                                                     |
| Disposal                                                                                                                           | : P501 - Dispose of waste according to applicable legislation.                                                                                                                                                        |
| Hazardous ingredients                                                                                                              | : 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione and 2-phenoxyethyl methacrylate                                                                                                                                        |
| Supplemental label elements                                                                                                        | : Not applicable.                                                                                                                                                                                                     |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable.                                                                                                                                                                                                     |
| <b>Special packaging requirements</b>                                                                                              |                                                                                                                                                                                                                       |
| Containers to be fitted with child-resistant fastenings                                                                            | : Not applicable.                                                                                                                                                                                                     |
| Tactile warning of danger                                                                                                          | : Not applicable.                                                                                                                                                                                                     |

2.3 Other hazards

|                                                                                                   |                                                                                         |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification                                               | : None known.                                                                           |

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name                      | Identifiers                     | %         | Classification                                                                             | Specific Conc. Limits, M-factors and ATEs                        | Type    |
|----------------------------------------------|---------------------------------|-----------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione | EC: 221-112-8<br>CAS: 3006-93-7 | ≥10 - ≤25 | Acute Tox. 4, H302<br>Acute Tox. 2, H330<br>Skin Sens. 1A, H317<br>Aquatic Chronic 2, H411 | ATE [Oral] = 1370 mg/kg<br>ATE [Inhalation (vapours)] = 0.5 mg/l | [1]     |
| White mineral oil (petroleum)                | REACH #: 01-2119487078-27       | ≥3 - ≤5   | Asp. Tox. 1, H304                                                                          | -                                                                | [1] [2] |

## SECTION 3: Composition/information on ingredients

|                                                                      |                                                      |           |                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |     |
|----------------------------------------------------------------------|------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 2-phenoxyethyl methacrylate                                          | EC: 232-455-8<br>CAS: 8042-47-5                      |           |                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |     |
|                                                                      | EC: 234-201-1<br>CAS: 10595-06-9                     | ≥1 - ≤3   | Skin Sens. 1A, H317<br>Repr. 2, H361<br>Aquatic Chronic 2, H411                                                                                                                                   | -                                                                                                                                                                                                                                                                   | [1] |
| α,α-dimethylbenzyl hydroperoxide                                     | EC: 201-254-7<br>CAS: 80-15-9<br>Index: 617-002-00-8 | ≥0.3 - ≤1 | Org. Perox. E, H242<br>Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 3, H331<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Aquatic Chronic 2, H411 | ATE [Oral] = 382 mg/kg<br>ATE [Dermal] = 1400 mg/kg<br>ATE [Inhalation (dusts and mists)] = 0.5 mg/l<br>Skin Corr. 1B, H314: C ≥ 10%<br>Skin Irrit. 2, H315: 3% ≤ C < 10%<br>Eye Dam. 1, H318: C ≥ 3%<br>Eye Irrit. 2, H319: 1% ≤ C < 3%<br>STOT SE 3, H335: C ≥ 1% | [1] |
| See Section 16 for the full text of the H statements declared above. |                                                      |           |                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                     |     |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a physical, health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

#### Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## SECTION 4: First aid measures

- Ingestion** : ☒ Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : ☒ No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

#### Over-exposure signs/symptoms

- Eye contact** : ☒ No specific data.
- Inhalation** : No specific data.
- Skin contact** : ☒ Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : ☒ No specific data.

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : ☒ In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

- : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

### 6.4 Reference to other sections

- : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

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SECTION 7: Handling and storage

Recommendations : Not available.  
Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name       | Exposure limit values                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| White mineral oil (petroleum) | <b>DFG MAC-values list (Germany, 7/2024)</b> Develop C.<br>PEAK 15 minutes: 20 mg/m³ 4 times per shift [Interval: 1 hour].<br>Form: respirable fraction.<br>TWA 8 hours: 5 mg/m³. Form: respirable fraction.<br><b>TRGS 900 OEL (Germany, 3/2025)</b><br>PEAK 15 minutes: 20 mg/m³. Form: alveolar fraction.<br>TWA 8 hours: 5 mg/m³. Form: alveolar fraction. |

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following:  
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name                      | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione | <b>DNEL - General population - Long term - Oral</b><br>0.025 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - General population - Long term - Dermal</b><br>0.025 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - General population - Long term - Inhalation</b><br>0.0434 mg/m³<br>Effects: Systemic<br><br><b>DNEL - Workers - Long term - Dermal</b><br>0.05 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - Workers - Long term - Inhalation</b><br>0.176 mg/m³<br>Effects: Systemic |
| White mineral oil (petroleum)                | <b>DNEL - General population - Long term - Oral</b><br>25 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - General population - Long term - Inhalation</b><br>34.78 mg/m³                                                                                                                                                                                                                                                                                                                        |

SECTION 8: Exposure controls/personal protection

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
|                                  | <u>Effects</u> : Systemic                                                                                |
|                                  | <b>DNEL - General population - Long term - Dermal</b><br>93.02 mg/kg bw/day<br><u>Effects</u> : Systemic |
|                                  | <b>DNEL - Workers - Long term - Inhalation</b><br>164.56 mg/m³<br><u>Effects</u> : Systemic              |
|                                  | <b>DNEL - Workers - Long term - Dermal</b><br>217.05 mg/kg bw/day<br><u>Effects</u> : Systemic           |
| 2-phenoxyethyl methacrylate      | <b>DNEL - Workers - Long term - Dermal</b><br>3.5 mg/kg bw/day<br><u>Effects</u> : Systemic              |
|                                  | <b>DNEL - Workers - Long term - Inhalation</b><br>12 mg/m³<br><u>Effects</u> : Systemic                  |
|                                  | <b>DNEL - Workers - Long term - Inhalation</b><br>84 mg/m³<br><u>Effects</u> : Local                     |
| α,α-dimethylbenzyl hydroperoxide | <b>DNEL - Workers - Long term - Inhalation</b><br>6 mg/m³<br><u>Effects</u> : Systemic                   |

PNECs

Not available.

8.2 Exposure controls

- Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Individual protection measures
- Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection
- Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Recommended : 1 - 4 hours (breakthrough time): Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III ; 4 - 8 hours (breakthrough time): Protective gloves



## SECTION 8: Exposure controls/personal protection

made of Viton®/ butyl rubber (material thickness of 0,7 mm); EN388 Cat.II / EN374 Cat.III / EN374-2

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended : organic vapor (Type AX) and particulate filter
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.


## SECTION 9: Physical and chemical properties


The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Color** : Red.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit** : Not available.
- Flash point** : Closed cup: >100°C (>212°F)
- Auto-ignition temperature** :

| Ingredient name                                                                                                    | °C         | °F         | Method     |
|--------------------------------------------------------------------------------------------------------------------|------------|------------|------------|
|  α-dimethylbenzyl hydroperoxide | 148.85     | 299.9      |            |
| White mineral oil (petroleum)                                                                                      | 325 to 355 | 617 to 671 | ASTM E 659 |

- Decomposition temperature** : Not available.
- pH** : Not applicable.
- Viscosity** :  Dynamic (room temperature): 22000 mPa·s  
Kinematic (room temperature): Not available.  
Kinematic (40°C): Not available.  
Thixotropic liquid
- Solubility** :  
Not available.
- Solubility in water** : Not available.
- Partition coefficient n-octanol/water (log Pow)** : Not applicable.
- Vapor pressure** :



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SECTION 9: Physical and chemical properties

| Ingredient name                  | Vapor Pressure at 20°C |      |          | Vapor pressure at 50°C |     |        |
|----------------------------------|------------------------|------|----------|------------------------|-----|--------|
|                                  | mm Hg                  | kPa  | Method   | mm Hg                  | kPa | Method |
| White mineral oil (petroleum)    | 0.07501                | 0.01 | OECD 104 |                        |     |        |
| α,α-dimethylbenzyl hydroperoxide | 0                      | 0    |          |                        |     |        |

Relative density : Not available.  
Density : 1.1 g/cm³ [20°C (68°F)]  
Relative vapor density : Not available.  
Particle characteristics  
Median particle size : Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available.  
Oxidizing properties : Not available.

9.2.2 Other safety characteristics

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Reactive or incompatible with the following materials: oxidizing materials, reducing materials, acids and alkalis.  
Keep away from heat and direct sunlight.

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name

Result

1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione

Rat - Oral - LD50  
1370 mg/kg  
  
Rat - Inhalation - LC50 Vapor  
55 mg/m³ [4 hours]

White mineral oil (petroleum)

Rat - Oral - LD50  
>5000 mg/kg

α,α-dimethylbenzyl hydroperoxide

Rat - Dermal - LD50  
1400 mg/kg  
  
Rat - Oral - LD50  
382 mg/kg

SECTION 11: Toxicological information

Rat - Inhalation - LC50 Dusts and mists  
1.37 mg/l [4 hours]

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Acute toxicity estimates

| Product/ingredient name                                                          | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|----------------------------------------------------------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione<br>α,α-dimethylbenzyl hydroperoxide | 1370<br>382  | N/A<br>1400    | N/A<br>N/A               | 0.5<br>N/A                 | N/A<br>0.5                          |

Skin corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

## SECTION 11: Toxicological information

**Conclusion/Summary [Product]** : Not available.

### Specific target organ toxicity (single exposure)

**Product/ingredient name**

☒  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide

**Result**

STOT SE 3, H335 (Respiratory tract irritation)

### Specific target organ toxicity (repeated exposure)

**Product/ingredient name**

☒  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide

**Result**

STOT RE 2, H373

### Aspiration hazard

**Product/ingredient name**

☒ White mineral oil (petroleum)

**Result**

ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

**Eye contact**

: ☒ No known significant effects or critical hazards.

**Inhalation**

: No known significant effects or critical hazards.

**Skin contact**

: ☒ May cause an allergic skin reaction.

**Ingestion**

: No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**

: ☒ No specific data.

**Inhalation**

: No specific data.

**Skin contact**

: ☒ Adverse symptoms may include the following:  
irritation  
redness

**Ingestion**

: ☒ No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects**

: Not available.

**Potential delayed effects**

: Not available.

#### Long term exposure

**Potential immediate effects**

: Not available.

**Potential delayed effects**

: Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

**General**

: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity**

: No known significant effects or critical hazards.

**Mutagenicity**

: No known significant effects or critical hazards.

**Reproductive toxicity**

: No known significant effects or critical hazards.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

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SECTION 11: Toxicological information

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

α, α-dimethylbenzyl hydroperoxide

Result

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* - Larvae

Age: <24 hours

12.7 mg/l [96 hours]

Effect: Mortality

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

| Product/ingredient name                                 | LogP <sub>ow</sub> | BCF | Potential |
|---------------------------------------------------------|--------------------|-----|-----------|
| HIGHLY REFINED BASE OILS Viscosity ≤ 20.5 mm²/s at 40°C | >6                 | -   | High      |
| α, α-dimethylbenzyl hydroperoxide                       | 1.6                | 9   | Low       |

12.4 Mobility in soil

Soil/Water partition coefficient

| Product/ingredient name                      | logK <sub>oc</sub> | K <sub>oc</sub> |
|----------------------------------------------|--------------------|-----------------|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione | 2.5                | 335.514         |
| 2-phenoxyethyl methacrylate                  | 2.2                | 155.219         |
| α, α-dimethylbenzyl hydroperoxide            | 1.7                | 46.6217         |

Results of PMT and vPvM assessment

| Product/ingredient name                                 | PMT | P  | M  | T  | vPvM | vP | vM |
|---------------------------------------------------------|-----|----|----|----|------|----|----|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione            | No  | No | No | No | No   | No | No |
| HIGHLY REFINED BASE OILS Viscosity ≤ 20.5 mm²/s at 40°C | No  | No | No | No | No   | No | No |
| 2-phenoxyethyl methacrylate                             | No  | No | No | No | No   | No | No |
| α, α-dimethylbenzyl hydroperoxide                       | No  | No | No | No | No   | No | No |

Mobility : Not available.

Conclusion/Summary : The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

Regulation (EC) No. 1907/2006 [REACH]

## SECTION 12: Ecological information

| Product/ingredient name                                                      | PBT | P   | B   | T   | vPvB | vP  | vB  |
|------------------------------------------------------------------------------|-----|-----|-----|-----|------|-----|-----|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione                                 | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| HIGHLY REFINED BASE OILS Viscosity $\leq 20.5 \text{ mm}^2/\text{s}$ at 40°C | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| 2-phenoxyethyl methacrylate                                                  | N/A | N/A | N/A | Yes | N/A  | N/A | N/A |
| $\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide                            | No  | N/A | No  | Yes | No   | N/A | No  |

### Regulation (EC) No. 1272/2008 [CLP]

| Product/ingredient name                                                      | PBT | P  | B  | T  | vPvB | vP | vB |
|------------------------------------------------------------------------------|-----|----|----|----|------|----|----|
| 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione                                 | No  | No | No | No | No   | No | No |
| HIGHLY REFINED BASE OILS Viscosity $\leq 20.5 \text{ mm}^2/\text{s}$ at 40°C | No  | No | No | No | No   | No | No |
| 2-phenoxyethyl methacrylate                                                  | No  | No | No | No | No   | No | No |
| $\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide                            | No  | No | No | No | No   | No | No |

**Conclusion/Summary** : The product does not meet the criteria to be considered as a PBT or vPvB.  
**Regulation (EC) No. 1272/2008 [CLP]**

### 12.6 Endocrine disrupting properties

Not available.

**Conclusion/Summary [Product]** : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes.

#### European waste catalogue (EWC)

| Waste code | Waste designation                                                                      |
|------------|----------------------------------------------------------------------------------------|
| 08 04 09*  | waste adhesives and sealants containing organic solvents or other hazardous substances |

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## SECTION 13: Disposal considerations

| Type of packaging | European waste catalogue (EWC) |                                                                          |
|-------------------|--------------------------------|--------------------------------------------------------------------------|
| Tube              | 15 01 10*                      | packaging containing residues of or contaminated by hazardous substances |

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

|                                        | ADR/RID        | ADN                                                 | IMDG           | IATA           |
|----------------------------------------|----------------|-----------------------------------------------------|----------------|----------------|
| <b>14.1 UN number or ID number</b>     | Not available. | 9006                                                | Not available. | Not available. |
| <b>14.2 UN proper shipping name</b>    | Not available. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | Not available. | Not available. |
| <b>14.3 Transport hazard class(es)</b> | Not available. | 9                                                   | Not available. | Not available. |
| <b>14.4 Packing group</b>              | -              | -                                                   | -              | -              |
| <b>14.5 Environmental hazards</b>      | No.            | Yes.                                                | No.            | No.            |

### Additional information

**ADN** : The product is only regulated as a dangerous good when transported in tank vessels.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorization

##### Annex XIV

None of the components are listed above the relevant limit.

##### Substances of very high concern

None of the components are listed above the relevant limit.

#### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | %   | Designation [Usage] |
|-------------------------|-----|---------------------|
| WEICONLOCK AN 302-72    | ≥90 | 3                   |

**Labeling** : Not applicable.

SECTION 15: Regulatory information

Synthetic polymer microparticles - Designation 78

Generic identity of polymer(s) : Not applicable.

Total percentage of synthetic polymer microparticles : Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

VOC content : ca. 3 %

VOC (g/L) : 15.5 g/L

National regulations

| Product/ingredient name                                 | List name           | Name on list | Classification | Notes |
|---------------------------------------------------------|---------------------|--------------|----------------|-------|
| Highly refined base oils Viscosity ≤ 20.5 mm²/s at 40°C | DFG MAC-values list | -            | Develop C      | -     |

Storage class (TRGS 510) : 10

Hazardous incident ordinance

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water : 5

Technical instruction on air quality control (TA Luft)

| Number [Class] | Description        | %    |
|----------------|--------------------|------|
| 5.2.5          | Organic substances | 26.3 |
| 5.2.5 [I]      | Organic substances | 26.3 |

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)





## SECTION 15: Regulatory information

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                                |                                                                                                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Australia</b>               | : All components are listed or exempted.                                                                                                                                                                                             |
| <b>Canada</b>                  | : At least one component is not listed in DSL but all such components are listed in NDSL.                                                                                                                                            |
| <b>China</b>                   | : All components are listed or exempted.                                                                                                                                                                                             |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory</b> : All components are listed or exempted.                                                                                                                                                       |
| <b>Japan</b>                   | :  <b>Japan inventory (CSCL)</b> : All components are listed or exempted.<br><b>Japan inventory (ISHL)</b> : All components are listed or exempted. |
| <b>New Zealand</b>             | : All components are listed or exempted.                                                                                                                                                                                             |
| <b>Philippines</b>             | :  All components are listed or exempted.                                                                                                           |
| <b>Republic of Korea</b>       | : Not determined.                                                                                                                                                                                                                    |
| <b>Taiwan</b>                  | : All components are listed or exempted.                                                                                                                                                                                             |
| <b>Thailand</b>                | : All components are listed or exempted.                                                                                                                                                                                             |
| <b>Turkey</b>                  | : Not determined.                                                                                                                                                                                                                    |
| <b>United States</b>           | : All components are active or exempted.                                                                                                                                                                                             |
| <b>Viet Nam</b>                | : All components are listed or exempted.                                                                                                                                                                                             |

|                                        |                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------|
| <b>15.2 Chemical Safety Assessment</b> | : This product contains substances for which Chemical Safety Assessments are still required. |
|----------------------------------------|----------------------------------------------------------------------------------------------|

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Abbreviations and acronyms</b> | : ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway<br>ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road<br>ATE = Acute Toxicity Estimate<br>B = Bioaccumulative<br>BCF = Bioconcentration Factor<br>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>IATA = International Air Transport Association<br>IMDG = International Maritime Dangerous Goods<br>IMO = International Maritime Organization<br>M = Mobile<br>N/A = Not available<br>P = Persistent<br>PBT = Persistent, Bioaccumulative and Toxic<br>PMT = Persistent, Mobile and Toxic<br>PNEC = Predicted No Effect Concentration<br>RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>T = Toxic<br>vB = Very Bioaccumulative<br>vM = Very Mobile<br>vP = Very Persistent<br>vPvB = Very Persistent and Very Bioaccumulative<br>vPvM = Very Persistent and Very Mobile |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 16: Other information

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification                                   | Justification                      |
|--------------------------------------------------|------------------------------------|
| ✓ Skin Sens. 1A, H317<br>Aquatic Chronic 3, H412 | Expert judgment<br>Expert judgment |

### Full text of abbreviated H statements

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| ✓ H242 | Heating may cause a fire.                                          |
| H302   | Harmful if swallowed.                                              |
| H304   | May be fatal if swallowed and enters airways.                      |
| H312   | Harmful in contact with skin.                                      |
| H314   | Causes severe skin burns and eye damage.                           |
| H317   | May cause an allergic skin reaction.                               |
| H318   | Causes serious eye damage.                                         |
| H330   | Fatal if inhaled.                                                  |
| H331   | Toxic if inhaled.                                                  |
| H335   | May cause respiratory irritation.                                  |
| H361   | Suspected of damaging fertility or the unborn child.               |
| 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.                 |

### Full text of classifications [CLP/GHS]

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| ✓ Acute Tox. 2    | ACUTE TOXICITY - Category 2                                     |
| Acute Tox. 3      | ACUTE TOXICITY - Category 3                                     |
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                                     |
| Aquatic Chronic 2 | AQUATIC HAZARD (LONG-TERM) - Category 2                         |
| Aquatic Chronic 3 | AQUATIC HAZARD (LONG-TERM) - Category 3                         |
| Asp. Tox. 1       | ASPIRATION HAZARD - Category 1                                  |
| Eye Dam. 1        | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1                 |
| Org. Perox. E     | ORGANIC PEROXIDES - Type E                                      |
| Repr. 2           | TOXIC TO REPRODUCTION - Category 2                              |
| Skin Corr. 1B     | SKIN CORROSION/IRRITATION - Category 1B                         |
| Skin Sens. 1A     | SKIN SENSITIZATION - Category 1A                                |
| STOT RE 2         | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| STOT SE 3         | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3   |

**Date of printing** : 19/01/2026

**Date of issue/ Date of revision** : 19/01/2026

**Date of previous issue** : 04/11/2025

**Version** : 3.6

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