

## 1 Identification

- **Product identifier**
- **Trade name: Dekaphon Pro-Wax**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Anticorrosion additive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Dekalin, brand of Diffutherm B.V.  
Smaragdweg 50  
NL-5527 LB Hapert  
Tel: +31 497 551 080  
Fax: +31 497 551 088  
E-mail: info@dekalin.nl
- **Further information obtainable from:** Product safety Department
- **Emergency telephone number:**  
National Poisons Information Center (NVIC)  
TEL: +31 (0)30-2748888  
Only for the purpose of informing medical personnel in cases of acute intoxications

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Aerosol 1 H222 Extremely flammable aerosol.



Press. Gas C H280 Contains gas under pressure; may explode if heated.



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



Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS02



GHS04



GHS07



GHS08

- **Signal word** Danger

(Contd. on page 2)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 1)

· **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated heavy  
Naphtha (petroleum), hydrotreated light  
pentane  
Naphtha (petroleum), hydrotreated heavy  
Calcium Sulfonate

· **Hazard statements**

H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P321 Specific treatment (see on this label).  
P331 Do NOT induce vomiting.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

AUH066 Repeated exposure may cause skin dryness or cracking.

· **Other hazards**

The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.  
· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with additions.

· **Dangerous components:**

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	25-<50%
CAS: 74-98-6	Propane liquefied ⚠ Flam. Gas 1, H220; ⚠ Press. Gas C, H280	10-<25%
CAS: 106-97-8	Butane, pure ⚠ Flam. Gas 1, H220; ⚠ Press. Gas C, H280	5-<10%
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	5-<10%
CAS: 109-66-0	pentane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	5-<10%
CAS: 75-28-5	Isobutane ⚠ Flam. Gas 1, H220; ⚠ Press. Gas C, H280	5-<10%
CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	3-<5%
CAS: 61789-86-4	Calcium Sulfonate ⚠ Skin Sens. 1, H317	1-<3%

(Contd. on page 3)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 2)

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### 4 First Aid Measures

- **Description of first aid measures**
- **After inhalation:**  
Supply fresh air or oxygen; call for doctor.  
Supply fresh air and to be sure call for a 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.  
Immediately rinse with water.  
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:** Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

#### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Avoid contact with skin, eyes and clothes.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Absorb liquid components with liquid-binding material.
- **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.

#### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Use only in well ventilated areas.

(Contd. on page 4)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 3)

- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 74-98-6 Propane liquefied**

NES	Asphyxiant
WES	Asphyxiant

**CAS: 106-97-8 Butane, pure**

NES	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm
WES	Long-term value: 1900 mg/m <sup>3</sup> , 800 ppm

**CAS: 109-66-0 pentane**

NES	Short-term value: 2210 mg/m <sup>3</sup> , 750 ppm Long-term value: 1770 mg/m <sup>3</sup> , 600 ppm
WES	Short-term value: 2210 mg/m <sup>3</sup> , 750 ppm Long-term value: 1770 mg/m <sup>3</sup> , 600 ppm

· **DNELs**

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

Oral	Long-term - systemic effects, general population	125 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	208 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	125 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	871 mg/m <sup>3</sup> (Worker)
	Long-term - systemic effects, general population	185 mg/m <sup>3</sup> (General Population)

**CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	Long-term - systemic effects, general population	125 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	208 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	125 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	871 mg/m <sup>3</sup> (Worker)
	Long-term - systemic effects, general population	185 mg/m <sup>3</sup> (General Population)

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

- **Exposure controls**
- **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.

(Contd. on page 5)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 4)

- **Respiratory protection:**  
Short term filter device:



Filter AX

- **Protection of hands:**



Protective gloves

- **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.

Nitrile rubber

Recommended thickness of the material:  $\geq 0,12$  mm

- **Penetration time of glove material**

> 480 min.

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

- **Eye protection:** Not required.

## 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Aerosol

**Colour:** Whitish

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** 36.1 °C

- **Flash point:** <0 °C (DIN 53213)

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** >200 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

**Lower:** 0.6 Vol %

**Upper:** 10.9 Vol %

- **Vapour pressure At 20 °C:** 8,300 hPa

- **Density At 20 °C:** 0.72 g/cm<sup>3</sup> (DIN 51757)

- **Relative density** Not determined.

(Contd. on page 6)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 5)

· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	76.8 %
<b>Water:</b>	0.1 %
<b>Solids content:</b>	24.6 % (DIN 53216)
· <b>Other information</b>	No further relevant information available.
· <b>VOC (EU):</b>	75.42 %
· <b>VOC (EU):</b>	540.0 g/l
· <b>VOCV:</b>	76.81 %

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	59,028 mg/kg (RAT)
Dermal	LD50	>26,804 mg/kg
Inhalative	LC50/4 h	>4,396 mg/l

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

Oral	LD50	>5,000 mg/kg (RAT)
Dermal	LD50	>5,000 mg/kg (RABBIT)
Inhalative	LC50/4 h	>4,951 mg/l (RAT)

**CAS: 106-97-8 Butane, pure**

Inhalative	LC50/4 h	658 mg/l (rat)
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**CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	4,951 mg/kg (RAT)
Dermal	LD50	>5,000 mg/kg (RABBIT)
Inhalative	LC50/4 h	4,951 mg/l (RAT)

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

Oral	LD50	>5,000 mg/kg (RAT)
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(Contd. on page 7)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 6)

Dermal	LD50	>3,000 mg/kg (RAT)
<b>CAS: 3010-23-9 1-aminoethyl-2-heptadecenyl imidazolin</b>		
Oral	LD50	>2,000 mg/kg (RAT)
	LC50/96 h	0.35 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** Sensitisation possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant  
No further relevant information available.
- **Ingestion:** Risk of chemical pneumonia if the product reaches the lungs at vomiting or similar.

## 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

**CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light**

EL50/48 h >22-<46 mg/l (DAPHNIA MAGNA)

EL50/72 h >1,000 mg/l (ALGAE)

**CAS: 3010-23-9 1-aminoethyl-2-heptadecenyl imidazolin**

EC50/48 h 0.29 mg/l (DAPHNIA MAGNA)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Dispose of as dangerous waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.



## 14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA** UN1950

(Contd. on page 8)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 7)

<ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul>	<p>1950 AEROSOLS AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul> 	
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>2 5F Gases. 2.1</p>
<ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul> 	
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>2.1 2.1</p>
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	<p>Void</p>
<ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	<p>No</p>
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Danger code (Kemler):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Segregation groups</b></li> <li>· <b>Stowage Code</b></li> </ul>	<p>Warning: Gases. - F-D,S-U Alkalis SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.</p>
<ul style="list-style-type: none"> <li>· <b>Segregation Code</b></li> </ul>	<p>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p>
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>ADG</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>Code: E0 Not permitted as Excepted Quantity</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>1L Code: E0 Not permitted as Excepted Quantity</p>

(Contd. on page 9)



**Trade name: Dekaphon Pro-Wax**

(Contd. of page 8)

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

### 15 Regulatory information

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

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02    GHS04    GHS07    GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

*Naphtha (petroleum), hydrotreated heavy*

*Naphtha (petroleum), hydrotreated light*

*pentane*

*Naphtha (petroleum), hydrotreated heavy*

*Calcium Sulfonate*

· **Hazard statements**

*H222 Extremely flammable aerosol.*

*H280 Contains gas under pressure; may explode if heated.*

*H317 May cause an allergic skin reaction.*

*H336 May cause drowsiness or dizziness.*

*H304 May be fatal if swallowed and enters airways.*

· **Precautionary statements**

*P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.*

*P251 Pressurized container: Do not pierce or burn, even after use.*

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

*P321 Specific treatment (see on this label).*

*P331 Do NOT induce vomiting.*

*P403+P233 Store in a well-ventilated place. Keep container tightly closed.*

*P405 Store locked up.*

*P410+P403 Protect from sunlight. Store in a well-ventilated place.*

*P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

· **Seveso category** *P3a FLAMMABLE AEROSOLS*

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** *150 t*

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	76.8

· **Waterhazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*

(Contd. on page 10)

**Trade name: Dekaphon Pro-Wax**

(Contd. of page 9)

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

**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.*

· **Department issuing SDS:** Product safety department.

· **Contact:** info@dekalin.nl

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*ICAO: International Civil Aviation Organisation*

*ADR: Accord européen sur le transport 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*

*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)*

*DNEL: Derived No-Effect Level (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Gas 1: Flammable gases – Category 1*

*Aerosol 1: Aerosols – Category 1*

*Press. Gas C: Gases under pressure – Compressed gas*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Skin Sens. 1: Skin sensitisation – Category 1*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

*Asp. Tox. 1: Aspiration hazard – Category 1*

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