

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

### 1.1. Product identifier

# Degreasing Agent

CAS No.: 64742-49-0  
EG No.: 921-024-6  
INDEX No.:  
REACH No.: 01-2119475514-35-0001

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

Relevant identified uses: Degreasing Agent  
Uses advised against: Other

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

#### Manufacturer

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3  
--  
D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0  
Telefax: + 497445 2092

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3  
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D 72285 Pfalzgrafenweiler

Telephone: + 497445 8501 0  
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#### Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21  
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E-mail (competent person): w.heuchert@erkodent.com  
Website: www.erkodent.com

### 1.4. Emergency telephone number

ERKODENT Erich Kopp GmbH  
Only available during office hours.

Telephone: +49 7445 8501 0

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:  
Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 2, H411

### 2.2. Label elements

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

**Hazard pictograms:**



GHS02, GHS07, GHS08, GHS09

**Signal word:**

Danger

**Hazard statements:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
 H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.?  
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P331 Do NOT induce vomiting.

**Hazardous component(s) for labelling**

Petroleum Distillate, N.O.S.

**Special labelling of particular preparations:**

none

**2.3. Other hazards**

No risks worthy of mention.

**SECTION 3: Composition / information on ingredients**

**3.1. Substances**

Mixtures

**3.2. Mixtures**

Mixtures of n-, i- and cyclo-aliphatics, predominantly in the range C7-C8)

**Composition/information on ingredients**

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
n-Hexan	203-777-6	110-54-3			>=0 - <5	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Repr. 2, H361f; STOT RE 2, H373; Aquatic Chronic 2, H411
Petroleum Distillate, N.O.S.		64742-49-0			<100%	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 2, H411

(Full text of H- and EUH-phrases: see section 16.)

**SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

- General information:** Remove casualty to fresh air and keep warm and at rest. Seek medical advice immediately.
- Following inhalation:** Provide fresh air. Seek medical attention if problems persist. Rinse mouth thoroughly with water.
- Following skin contact:** Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Call a physician immediately.
- After eye contact:** Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.
- After ingestion:** Do NOT induce vomiting. Call a physician immediately.

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

lung Cough Dyspnoea Fever Skin contact Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

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

No information available.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media:** Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water fog.
- Unsuitable extinguishing media:** High power water jet.

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

In case of fire may be liberated: Carbon monoxide.

#### 5.3. Advice for firefighters

##### General information

Use water spray jet to protect personnel and to cool endangered containers.

##### Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

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### SECTION 6: Accidental release measures

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

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Precautions against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

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

#### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

**Storage class:** 3

### 7.3. Specific end use(s)

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

#### Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL
Petroleum Distillate, N.O.S.	64742-49-0	worker dermal long-term, systemic 773 mg/kg bw/day worker inhalative long-term, systemic 2035 mg/m³ population dermal long-term, systemic 699 mg/kg bw/day population inhalative long-term, systemic 608 mg/m³ population oral long-term, systemic 699 mg/kg bw/day

##### PNEC Value

Substance:	CAS-No.:	PNEC

**Remark:**  
 none

### 8.2. Exposure controls

#### Occupational exposure controls

Technical ventilation of workplace In case of insufficient ventilation, wear suitable respiratory equipment.

#### General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

### Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Use suitable breathing apparatus. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

### Hand protection

Suitable gloves type: NBR (Nitrile rubber). PVC (Polyvinyl chloride). CR (polychloroprene, chloroprene rubber).

### Eye/face protection

At risk of splashing: Tightly sealed safety glasses.

### Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

### Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not allow to enter into surface water or drains.

### Consumer exposure controls

refer to chapter 7. No further action is necessary.

### Exposure Scenario

none

## SECTION 9: Physical and chemical properties

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

Appearance:

Physical state:	Liquid
Colour:	colourless
Odour:	Paraffin.
Odour threshold:	No data available

#### Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:				not determined
Initial boiling point and boiling range:		88 - 105	°C	
Flash point:		- 12	°C	
Evaporation rate:				not determined
Flammability (solid, gas):				not determined
Explosive properties:				not explosive. Vapours can form explosive mixtures with air.
Lower flammability or explosive limits:		1	Vol-%	
Upper flammability or explosive limits:		8	Vol-%	
Vapour pressure:	(at 20 °C)	8500	Pa	
Vapour density:				not determined

Relative density:			not determined
Density:	at 15°C.	0,714 g/cm <sup>3</sup>	
Solubility(ies):	:		not determined
Water solubility:			practically insoluble
Fat solubility:			not determined
Partition coefficient: n-octanol/water:		3,4 - 5,2 log Pow	
Auto-ignition temperature:		367 °C	
Decomposition temperature:			not determined
Viscosity:			not determined
Oxidising properties:			not determined
Solvent content:			not determined

## 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Reacts with : Oxidizing agent

### 10.4. Conditions to avoid

Risk of explosion if heated under confinement. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

Hydrocarbons Carbon monoxide Carbon dioxide Sulphur oxides

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Data apply to the main component.

M-factor:	1	Acute toxicity (dermal):	--
Acute toxicity (oral):	--	Acute toxicity (inhalative):	--

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Petroleum Distillate, N.O.S.	64742-49-0	LD50 oral (rat) > 5000 mg/kg LC50 inhalation (Rat) > 50 mg/l/4 h LD50 dermal > 200 mg/kg

#### Skin corrosion/irritation

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation**

none

**Respiratory or skin sensitisation**

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carcinogenicity

No indications of human carcinogenicity exist.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

No information available.

**Aspiration hazard**

Toxicological data are not available.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

The information about ecology refers to the main components.

**Ecotoxicity**

Substance:	CAS-No.:	Ecotoxicity
Petroleum Distillate, N.O.S.	64742-49-0	LC50 fish (96 h) <= 100 mg/l LC50 crustaceans (48h) <= 10 mg/l

**12.2. Persistence and degradability**

Readily biodegradable (according to OECD criteria).

**12.3. Bioaccumulative potential**

Bioaccumulative potential

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

The substance has no ozone depleting potential.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal/Product:**

Do not allow to enter into surface water or drains. Dispose of waste in own country; otherwise, follow EC regulations. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

**Appropriate disposal / Package:**

Dispose of waste according to applicable legislation.

**List of proposed waste codes/waste designations in accordance with EWC**

Send to a hazardous waste incinerator facility under observation of official regulations.

**Waste code product:** --

**Waste code packaging:** --

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**SECTION 14: Transport information**

**14.1. UN number**

UN No.: 1268

**14.2. UN proper shipping name**

ADR / RID

ERDÖLDESTILLATE. N.A.G. ERDÖLPRODUKTE N.A.G. (Nafta) pD <= 110 kPa) / PETROLEUM  
DISTILLATES, N.O.S.

--

IMDG / ICAO-TI / IATA-DGR

ERDÖLDESTILLATE. N.A.G. / PETROLEUM DISTILLATES, N.O.S. (NAPHTHA)

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**14.3. Transport hazard class(es)**

Hazard label(s):: 3

Classification Code:

3 (F1)



**14.4. Packing group**

Packing Group: II

**14.5. Environmental hazards**

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR:  yes /  no

Marine Pollutant:  yes /  no

**14.6. Special precautions for user**

Land transport (ADR/RID)

Transport category: 2

Special provisions: --

Tunnel restriction code: D/E

Limited quantity (LQ): 1000 ml

Sea transport (IMDG)

EmS-No: -

Special provisions: --

Limited quantity (LQ): 1000 ml

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Remark: in delivery condition: not applicable



## SECTION 15: Regulatory information

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

#### EU legislation

**Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:**

No information available.

**Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:**

No information available.

**Regulation (EC) No 648/2004 on detergents:**

No information available.

**Regulation (EC) No 850/2004 on persistent organic pollutants:**

No information available.

**Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:**

No information available.

**Restrictions according to Title VIII of Regulation (EC) No 1907/2006:**

No information available.

#### National regulations

Observe in addition any national regulations!

#### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

#### Other regulations, restrictions and prohibition regulations

Highly flammable

### 15.2. Chemical Safety Assessment

**A chemical safety assessment has been carried out for this substance:** --

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

#### Relevant H- and EUH-phrases (Number and full text)

##### Hazard statements

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Training advice

none

#### Recommended restrictions of use

No information available.

#### Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

#### Documentation of changes

none

#### Key literature references and sources for data

Data arise from reference works and literature.

#### Abbreviations and acronyms

AC: Artikelkategorie (Article Category)

ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)

ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)

AGW: Arbeitsplatzgrenzwert

AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)

Bw: Körpergewicht (Body weight)

CMR: Stoffe klassifiziert als Krebszeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)

CSR: Stoffsicherheitsbericht (Chemical Safety Report)

DIN: Deutsches Institut für Normung / Deutsche Industrienorm

DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)

DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)

DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)

DU: Nachgeschalteter Anwender (Downstream User)

EC50: Wirksame Konzentration 50% (Effective Concentration 50%)

EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)

IATA: Verband für den internationalen Lufttransport (International Air Transport Association)

IBC: Großpackmittel (Intermediate Bulk Container)

ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)

IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)

IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)

ISO: Internationale Normungsorganisation (International Standards Organisation)

LC50: Lethale (Tödliche) Konzentration 50%

LD50: Lethale (Tödliche) Dosis 50%

LEV: Lokale Absaugung (Local exhaust ventilation)

MAK: Maximale Arbeitsplatzkonzentration – DFG

OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)

PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)

PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)

PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)

REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)

RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)

STEL: Grenzwert für Kurzzeitexposition (Short-term Exposure Limit)

SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)

TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)

VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)

vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)

