

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

# Degreasing Agent

**CAS number:** 64742-49-0  
**EC number (EINECS/ELINCS):** 265-151-9  
**EC index number:** -649-328-00-1  
**REACH registration number:** 01-2119475514-35

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

**Identified uses of the substance or mixture:** Entfetter, Degreasing Agent, Degrassant, Sgrassatore, Desengrasante  
**Not recommended uses of the substance or mixture:** Other

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

#### Manufacturer

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3

**Telephone:** 07445 8501 0  
**Fax:** 07445 2092

D 72285 Pfalzgrafenweiler

#### Supplier

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3

**Telephone:** 07445 8501 0  
**Fax:** 07445 2092

D 72285 Pfalzgrafenweiler

#### Information contact

ERKODENT Erich Kopp GmbH

**Information Telephone:** 07445 8501 21

**Information fax:**

**E-mail (competent person):** w.heuchert@erkodent.com

**Website:** www.erkodent.com

#### National contact

ERKODENT Erich Kopp GmbH

**Information Telephone:** 07445 8501 0

**Information fax:**

**E-mail (competent person):** info@erkodent.com

**Website:**

### 1.4 Emergency telephone number

**Telephone:**

Only available during office hours.

### 1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

## 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

Directive 67/548/EEC:

F; R11 , Xi; R38 , N; R51 , -; R53 , Xn; R65 , -; R67

### 2.2 Label elements

#### 2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



<b>Signal word:</b>	GHS02, GHS07, GHS08, GHS09 Danger
<b>H phrases:</b>	225 Highly flammable liquid and vapour. 304 May be fatal if swallowed and enters airways. 315 Causes skin irritation. 336 May cause drowsiness or dizziness. 411 Toxic to aquatic life with long lasting effects.
<b>P phrases:</b>	210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 241 Use explosion-proof electrical/ventilating/lighting equipment. 301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 405 Store locked up. 501 Dispose of contents/container according to official state regulations.

#### 2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:



<b>R phrases:</b>	Xn Harmful. Xi Irritant. F Highly flammable. N Dangerous for the environment. 11 Highly flammable. 38 Irritating to skin. 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 65 Harmful: may cause lung damage if swallowed. 67 Vapours may cause drowsiness and dizziness.
<b>S phrases:</b>	-

### 2.3 Other hazards

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### 3. Composition/information on ingredients

#### 3.1 Chemical characterization of the substance or mixture

Preparation related information Mixtures n-, i- und cyclo-Aliphatic, predominantly C7-C8

#### 3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Erdödestillate, N.A.G.; Petroleum Distillate, N.O.S.		64742-49-0			100	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic. 2; H411	F; R11 Xi; R38 Xn; R65 -; R67 N; R51/53

#### Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:

(The wording of the listed risk phrases is given in Chapter 16)

#### 3.3 Additional information

none

### 4. First aid measures

#### 4.1 Description of first aid measures

**General information:** In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. In case of unconsciousness place in unconscious position and seek medical advice.

**Following inhalation:** Provide fresh air. Seek medical attention if problems persist. Rinse mouth thoroughly with water.

**After skin contact:** After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.

**Following 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. Immediately get medical attention.

**Self-protection:** First aid assistant: Pay attention to self-protection!

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

**Symptoms:** Depression of the central nervous system. Causes skin irritation. May cause sensitisation especially in sensitive humans. pneumonia.

**Nature of Hazard:** No information available.

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

**Emergency aid:** No information available.

**Treatment:** No information available.

### 5. Fire fighting measures

#### 5.1 General information

Use water spray/stream to protect personnel and to cool endangered containers.

## 5.2 Extinguishing media

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

## 5.3 Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide.

## 5.4 Advice for fire fighters

### Special protective equipment for fire-fighters

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

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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## 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 empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

### 6.4 References to other sections

Wet clean or vacuum up solids. Clear spills immediately. Do not use a brush or compressed air for cleaning surfaces or clothing.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

In case of open handling equipment with built-in suction must be used.

#### Technical measures

Always close containers tightly after the removal of product. Keep container tightly closed in a cool, well-ventilated place.

#### Precautions against fire and explosion

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

#### Additional information

none

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

#### Technical measures and storage conditions

Take precautionary measures against static discharges. Betriebssicherheitsverordnung (BetrSichV) When using do not smoke. Keep in a cool, well-ventilated place. Keep container tightly closed in a cool, well-ventilated place.

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**Packaging materials**

Keep/Store only in original container.

**Requirements for storerooms and containers**

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

**Information about storing together in storage facility**

Keep away from food, drink and animal feedingstuffs.

**Further information concerning storage conditions**

Always close containers tightly after the removal of product.

**Storage class:** 3

**7.3 Specific end use(s)**

Observe instructions for use.

**8. Exposure controls / personal protection****8.1 Control parameters****8.1.1 Limits for occupational exposure****Exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
Erdödestillate, N.A.G.; Petroleum Distillate, N.O.S.	64742-49-0				RCP-Group C5-C8 Aliphatic und C9-C15 Aliphatic

**EC exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

**8.1.2 DNEL and PNEC values****DNEL-values**

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

**PNEC-values**

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

**8.1.3 Control-Banding****Control-Banding**

none

**8.1.4 Additional information**

none

**8.2 Exposure controls****Occupational exposure controls**

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

**Chemical handling**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of 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. Only use breathing apparatus with CE-label including the four-digit identification number.

**Hand protection**

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

**Eye protection**

Tightly sealed safety glasses.

**Skin 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 empty into drains or the aquatic environment.

**Consumer exposure controls**

refer to chapter 7. No further action is necessary.

**8.3 Exposure scenario**

none

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

<b>State of matter:</b>	liquid
<b>Colour:</b>	colourless
<b>Odour:</b>	Paraffin.
<b>Odour threshold:</b>	No data available

**Safety relevant basis data**

	<b>Parameter</b>	<b>Value</b>	<b>Unit</b>	<b>Remark</b>
<b>Density:</b>	at °C:	0,714	g/cm <sup>3</sup>	
<b>Package density:</b>				not applicable
<b>pH:</b>				not determined
<b>Melting point / range:</b>				not determined
<b>Boiling temperature / range:</b>		88 - 105	°C	
<b>Flash point:</b>		- 12	°C	
<b>Flammability:</b>				not determined
<b>Lower flammability limit:</b>				not determined
<b>Upper flammability limit:</b>				not determined
<b>Explosion hazard:</b>				not explosive. Vapours can form explosive mixtures with air.
<b>Lower explosion limit:</b>		1	Vol-%	
<b>Upper explosion limit:</b>		8	Vol-%	
<b>Ignition temperature:</b>		367	°C	
<b>Decomposition temperature:</b>				not determined
<b>Oxidizing characteristics:</b>				not determined
<b>Vapour pressure:</b>	at °C:	8500	Pa	
<b>Relative vapour density:</b>				not determined

<b>Speed of vaporization/evaporation rate:</b>			not determined
<b>Solubility in water:</b>			insoluble
<b>Fat solubility:</b>			not determined
<b>Solubility in log P O/W (n-octanol / water):</b>	:		not determined
<b>Viscosity:</b>	at °C:	mm <sup>2</sup> /s	not determined
<b>Solvent separation test:</b>			not determined
<b>Solvent content:</b>			not determined

## 9.2 Other information

No information available.

## 10. Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

none slow decomposition spontaneous decomposition

### 10.3 Possibility of hazardous reactions

none none

### 10.4 Conditions to avoid

Keep away from heat.

### 10.5 Incompatible materials

Oxidizing agents, strong.

### 10.6 Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO<sub>2</sub>) Carbon monoxide.

### 10.7 Additional information

none

## 11. Toxicological information

### 11.1 Information on toxicological effects

Data apply to the principal component.

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Erdöldestillate, N.A.G.; Petroleum Distillate, N.O.S.	64742-49-0	Oral LD50 > 2000 mg/kg (rat) Dermal LD50 > 2000 mg/kg (rat) Inhalativ LC50/4h > 20mg/l (rat)

#### Specific symptoms in laboratory animals

Toxicological data are not available.

### 11.2 Irritation and etching

#### Irritant effect on the skin

Irritating to skin.

**Irritant effect on the eye**

none

**Irritant effect on the respiratory tract**

Toxicological data are not available.

**Etching**

No information available.

**11.3 Sensitization**

No symptoms known up to now.

**11.4 Repeated dose toxicity**

Toxicological data are not available.

**11.5 CMR effects****Carcinogenicity**

Toxicological data are not available.

**Mutagenicity**

Toxicological data are not available.

**Reproductive toxicity**

Toxicological data are not available.

**11.6 General remarks**

No information available.

**Practical experience**

No information available.

**Other observations**

No information available.

**Additional information**

No information available.

**12. Ecological information****12.1 Toxicity**

The information about ecology refers to the main components.

**Eco toxicity**

Substance:	CAS-No.:	Ecotoxicity
Erdöldestillate, N.A.G.; Petroleum Distillate, N.O.S.	64742-49-0	Fisch: 10 < LC/EC/IC50 <= 100 mg/l Wirbellose: 1 < LC/EC/IC50 <= 10 mg/l Algen: 1 < LC/EC/IC50 <= 10 mg/l Mikroorganismen: 1 < LC/eC/IC50 <= 10 mg/l

**12.2 Persistence and degradability**

Readily biodegradable (according to OECD criteria).

**12.3 Bio accumulative potential**

Bioaccumulative potential

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

not applicable



## 12.6 Other adverse effects

No information available.

## 12.7 Further ecological information

Water Hazard Class: slightly hazardous to water (WGK 1) Toxic to fish.

## 12.8 Further details

Do not empty into drains or the aquatic environment.

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal/Product

Do not empty into drains or the aquatic environment. 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/ packaging

Waste disposal according to official state regulations.

#### Control report for waste code/ waste marking according to EAKV

Carry out a burning of hazardous waste according to official regulations.

#### Waste key product:

#### Waste key packaging:

#### Remark

Waste disposal according to official state regulations.

## 14. Transport information

### 14.1 Overland transport (ADR/RID)

#### Proper Shipping name

ERDÖLDESTILLATE. N.A.G. / PETROLEUM DISTILLATES, N.O.S.

UN No.: 1268

Label: 3

Packing Group: II

Classification code: 3 (F1)

Remark: Limited quantity (LQ): 4 Transport category: 2 tunnel restriction code D/E

### 14.2 Transport by sea (IMDG)

#### Proper Shipping name

ERDÖLDESTILLATE. N.A.G. / PETROLEUM DISTILLATES, N.O.S.

UN-No.: 1268

Label: 3

Packing Group: II

EmS-No:

MFAG:

Marine pollutant: Ja (P)

Special Provisions:

Remark:

### 14.3 Air transport (ICAO-TI / IATA-DGR)

#### Proper Shipping name

ERDÖLDESTILLATE. N.A.G. / PETROLEUM DISTILLATES, N.O.S.

UN/ID-No.: 1268

**Label:** 3                      **Packing Group:** II  
**Remark:**

#### 14.4 Mail

Label: 3 Packing Group: II Limited quantity (LQ): 4

### 15. Regulatory information

#### 15.1 Labelling

##### Hazardous component(s) for labelling

Erdöldestillate, N.A.G.; Petroleum Distikllate, N.O.S.

##### Special labelling of particular preparations

Classification according to Directive 67/548/EEC or 1999/45/EC

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

##### EU-Regulations

##### Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

ISO 11890-2 ASTM D 2369 VOC-value (in g/l):

##### Regulation (EC) No 2037/2000 on substances that deplete the ozone layer

No information available.

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

No information available.

##### Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals

No information available.

##### Regulation (EC) No 648/2004 (Detergents regulation)

No information available.

##### Restrictions under Title VIII of Regulation (EC) No 1907/2006

No information available.

##### National regulations

Moreover, national legislation has to be observed!

##### Informations on working limitations

No information available.

##### Major Accidents Ordinance

No information available.

##### Storage class according to VCI

3

##### Water Hazard Class according to VwVwS

1 weak water pollutant (WGK 1)

##### Technical Instructions on Air Quality Control (TA-Luft)

Class(es): NK 100 %

##### Further regulations, limitations and legal requirements

Betriebssicherheitsverordnung (BetrSichV) Highly flammable

### 15.3 Chemical safety assessment

**For this preparation a chemical safety assessment has been carried out:**

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

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## 16. Other information

### 16.1 Wording of the H and R-phrases under paragraph 3

#### Regulation (EC) No 1272/2008

- 225 Highly flammable liquid and vapour.
- 304 May be fatal if swallowed and enters airways.
- 315 Causes skin irritation.
- 336 May cause drowsiness or dizziness.
- 411 Toxic to aquatic life with long lasting effects.

#### Directive 67/548/EEC

- 11 Highly flammable.
- 38 Irritating to skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 67 Vapours may cause drowsiness and dizziness.

### 16.2 Training instructions

none/none

### 16.3 Recommended restrictions of use

No information available.

### 16.4 Further remarks

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.

### 16.5 Documentation of changes

none

### 16.6 Data sources

Data arise from reference works and literature.

### 16.7 Key and definition

none

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## 17. Appendix

### 17.1 Exposure scenario

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