



## Addendum to Material Safety Data Sheet

### **Supplier/Importer Details**

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### **Emergency Information**

Poisons Information Centre: Dial 13 11 26

24 hours a day, 7 days a week Australia wide

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

### 1.1. Product identifier

# Degreasing Agent

CAS No.: 64742-49-0  
EC No.: 921-024-6  
UFI: --  
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 Pfalzgrafeweiler

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Telefax: +49 7445 8501-15

#### Supplier

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### 1.4. Emergency telephone number

ERKODENT Erich Kopp GmbH  
Only available during office hours.

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## SECTION 2: Hazards identification

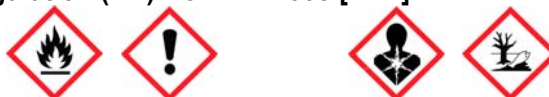
### 2.1. Classification of the substance or mixture

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:**

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.

**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:	CAS-No.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):	M, ATE, Note
n-Hexan	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	
Erdöldestillate, N.A.G.; 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	M = 1

(Full text of H- and EUH-statements: 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.

**In case of 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 fire-fighters:**

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

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### **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.

## 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/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:
Erdöldestillate, N.A.G.; Petroleum Distillate, N.O.S.	64742-49-0	EN	TRGS 900		600		

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

Substance:	CAS-No.:		Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL
Erdöldestillate, N.A.G.; 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/m <sup>3</sup> population dermal long-term, systemic 699 mg/kg bw/day population inhalative long-term, systemic 608 mg/m <sup>3</sup> population oral long-term, systemic 699 mg/kg bw/day

##### PNEC Value

Substance:	CAS-No.:	PNEC

#### Additional information

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
Melting point/freezing point:				not determined
Initial boiling point and boiling range:		88 - 105	°C	
Flammability:				not determined
lower flammability or explosive limits:		1	Vol-%	
Upper flammability or explosive limits:		8	Vol-%	
Flash point:		- 12	°C	
Ignition temperature:		367	°C	
Decomposition temperature:				not determined
pH:				not applicable
Kinematic viscosity:				not determined
Water solubility (g/L):				
Partition coefficient: n-octanol/water:		3,4 - 5,2	log Pow	
Vapour pressure:	(at 20 °C)	8500	Pa	
Density:	at 15°C.	0,714	g/cm <sup>3</sup>	
Relative density:				not determined
Particle properties:				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 hazard classes within the meaning of Regulation (EC)

#### No. 1272/2008

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
Erdöldestillate, N.A.G.; 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.

### Additional information

## 11.2. Information about other hazards

### 11.2.1 Endocrine disrupting properties

### 11.2.2 Other Information

No information 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
Erdöldestillate, N.A.G.; 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 Endocrine disruptive effect

There are no data available on the mixture itself.

### 12.7. 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 according to EWC / AVV

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



## SECTION 14: Transport information

### 14.1. UN number

UN No.: 1268

### 14.2. UN proper shipping name

Land transport (ADR/RID)

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

--

Sea transport (IMDG), Air transport (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) / Label: 3

Classification code: / Classification Code: 3 (F1)



### 14.4. Packing group

Packing group/ Packing Group: II

### 14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR:

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 73/78 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. 1005/2009 on substances that lead to the depletion of the ozone layer

No information available.

### Regulation (EC) No 850/2004 [POP-Regulation]

#### Regulation (EU) No 649/2012 on the export and import of dangerous chemicals

No information available.

**The substance/product is registered with strictly controlled conditions as defined in Article 18(4) of Regulation (EC) No. 1907/2006 (REACH Regulation) and must therefore be handled as such.**

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).

Restrictions of occupation

**No information available.**

#### Solvents Regulation (31st BImSchV)

No information available.

#### Other regulations, restrictions and prohibition regulations

Highly flammable

## 15.2. 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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## 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 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.

### 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 Krebs erzeugend, 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 Kurzzeiteexposition (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)