

**Trade name: Degreasing agent**  
**Safety data sheet in accordance with (EG) Nr. 1907 / 2006**  
 Date of printing : 10.12.2010

**01. Identification**

Product details	
Trade name	Degreasing agent
Application of the material / of the formulation	
Identification of the manufacturer	
Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
Information provided by	Chemie
Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92, e-mail: w.heuchert@erkodent.com
Emergency telephone number :	

**02. Hazards possibilities**

Hazard designation	Highly flammable In use, may form flammable/explosive vapour-air mixture.
Particular information pertaining specific risk for human / environment	In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**03. Composition/information on ingredients**

Chemical characterization	Petroleum 80/110 LNH				
Substance / product identification					
Hazardous ingredients					
	<b>CAS no.</b>	<b>EINECS no.</b>	<b>%</b>	<b>Hazard symbols</b>	<b>R phrases</b>
AliphatischerHydrocarbons, n-, i- cyclo-Aliphaten ( C7-C8)	647 42-49-0	265-151-9	25 < 50	F, Xn, N	11, 38, 51/53, 65, 67
n-Hexan	110-54-3	----	< 5		
Additional information					

**04. First aid measures**

General Information	
First aid measures / inhalation.	Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water.
First aid measures / eye contact.	In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution.
First aid measures / ingestion..	Do not induce vomiting., Remove the casualty into fresh air and keep him calm., Summon a doctor immediately.
Advice to doctor	The following symptoms may occur:: Headache, Dizziness, Nausea, Narcosis, CNS depression, Irritant effect on skin Ingestion with following vomiting may cause lung aspiration which could result in chemical pneumonia or suffocation.

**05. Fire-fighting measures**

Suitable extinguishing media	foam, water spray jet, water mist, dry chemical extinguisher, carbon dioxide., (sand)
Extinguishing media that must not be used for safety reasons	Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	In the event of fire the following can be released:: Carbon monoxide (CO)
Special protective equipment for firefighting	Wear full protective suit., Use breathing apparatus.
Additional informations (chapter 5)	Class: <b>B</b>

## 06. Accidental release measures

personal precautions.	Remove persons to safety., Avoid contact with skin, eyes and clothing., Keep away sources of ignition.
environmental precautions.	Do not discharge into the drains/surface waters/groundwater., Do not discharge into the subsoil/soil., Prevent spread over a wide area (e.g. by containment or oil barriers).
methods for cleaning up/taking up.	Take up with absorbent material (eg sand, kieselguhr, universal binder)., Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations., Dispose of absorbed material in accordance with the regulations., Containers in which spilt substance has been collected must be adequately labelled.
Additional informations (chapter 6).	Refer to protective measures listed in sections 7 and 8.

## 07. Handling and storage

Handling	
Hints on safe handling.	Use only in well-ventilated areas., Keep limited supplies at workplace., Observe the usual precautions for handling chemicals.
Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking., The product is combustible., The product vapours are heavier than air.; VbF: A1; Class: <b>B</b>

Storage	
Requirements for storage rooms and vessels.	Store product in closed containers.
Hints on storage assembly.	Keep away from flammable substances.
Further information on storage conditions.	Keep container tightly closed, cool and dry.
Storage category	Flammable liquids
Storage stability	May be stored indefinitely at room temperature.
Recommended storage temperature	20 C

## 08. Exposure controls/personal protection

Additional hints on technical system design.	See chapter 7; no measures exceeding the ones mentioned are necessary.
Ingredients with occupational exposure limits to be monitored	CAS no.: 64742-49-0 TRGS 900/901: MAK = 1000 mg/m <sup>3</sup> ; 200 ppm

Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
Respiratory protection	Breathing apparatus in the event of high concentrations.
Hand protection	Butyl rubber gloves
Eye protection	Safety goggles
Skin protection	light protective clothing
General protective and hygiene measures	Avoid contact with eyes and skin., Do not inhale gases/vapours/aerosols., Do not eat, drink or smoke during work time., Observe the usual precautions when handling chemicals.

## 09. Physical and chemical properties

Appearance.	
Form	Liquid

Colour	colourless
Odour	paraffin-like

Safety data	
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## Changes in physical state

Boiling range	88 – 105	°C	ASTM D 1078
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Flash point	- 12	°C	IP 170
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Ignition temperature	270	°C	DIN 51794
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## self ignition

explosion limits	1	Vol %	
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Upper explosion limit	8	Vol %	
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Vapour pressure	8500	Pa	20 °C
	29000	Pa	50 °C

Density	0,713	g/cm3	15 °C ASTM D1298
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Solubility in water	virtually insoluble	g/l	20 °C
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Soluble in	-	g/l	
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pH-Value	-		
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Viscosity	0,61	mm2/s	ASTM D 445
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Other information ( chapter 9.)	n-Hexane: < 5 %m Benzene: < 0,1%
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**10. Stability and reactivity**

Hazardous reactions	None., Keep away from sources of ignition --- No smoking.
Hazardous decomposition products	No hazardous decomposition products known.
Thermal decomposition	No decomposition if used as prescribed., Stable at ambient temperature.
Additional informations (chapter 10)	-

**11. Toxicologic indications**

Acute toxicity	The values mentioned are those of the active ingredient.
Acute oral toxicity	LD50: > 2000 mg/kg
Acute dermal toxicity	LD50: > 2000 mg/kg
Acute inhalational toxicity	LC50: > 5 mg/l

Irritant/corrosive effects	
Irritant effect on skin	non-irritant
Irritant effect on eyes	non-irritant

Sensitization	non-sensitizing
Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	Has a degreasing effect on the skin.
Other information (chapter 11.)	Mutagenicity: None Ingestion with following vomiting may cause lung aspiration which could result in chemical pneumonia or suffocation.
Experiences made in practice.	-
General remarks.	-

**12. Environmental indications**

Data on elimination ( persistence and degradability) :	
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Physico-chemical eliminability	The product can be degraded by abiotic, e.g. chemical or photolytic, processes.
Biodegradability	Moderately/partially biodegradable
Behaviour in environment compartments.	
Ecotoxic effect	
Fish toxicity	10 < LC50: < 100 mg/l slight or weak Toxic
Daphnia toxicity	1 < EC50: < 10 mg/l Toxic
Algae toxicity	1 < EC50: < 10 mg/l Toxic
Bacteria toxicity	1 < EC50: < 10 mg/l Toxic
Further ecological information	The product is highly volatile.
Result of the evaluation of PBT characteristics	

### 13. Disposal considerations

Disposal considerations	
Disposal / product	-
Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.
Waste code no. / name of waste (for Germany only)	-

### 14. Transport information

Land transport ADR/RID	
Class	3
Number/letter	F1
Hazard number (Kemler-number)	33
UN number	1268
Technical name	Hydrocarbons Liquid n.a.g. Solvent Naphtha
Remarks	VG/PG: II
Inland waterways transport ADN/ADNR	
Class	3
Number/letter	F1
Category	N2
Technical name	Hydrocarbons Liquid n.a.g. Solvent Naphtha
Remarks	VG/PG: II
Marine transport IMDG/GGVSee	
Class	3
UN number	1268
page	-
EmS	-
MFAG	-
MARINE POLLUTANT	Yes
Correct technical name	HYDROGENCARBONS; LIQUID; N.O.S. (SOLVENT NAPHTHA)
Remarks	VG/PG: II
Air transport ICAO/IATA	
Class	3 Flammable liquid
UN number	1268
page	-
Correct technical name	HYDROGENCARBONS; LIQUID; N.O.S. (SOLVENT NAPHTHA)
Remarks	VG/PG: II
Other information (chapter 14.)	

**15. Regulatory information**

Labelling in accordance with GefStoffV/EC	
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.	

Hazard symbols	F	Highly flammable
	Xn	Harmful
	N	Dangerous for the environment
TA-Luft / components		Naphtha

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

S phrases	S 9	Keep container in a well-ventilated place.
	S 16	Keep away from sources of ignition --- No smoking.
	S 23	Do not breathe vapour.
	S 24	Avoid contact with skin.
	S 33	Take precautionary measures against static discharges.
	S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
	S 62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Other regulations	
Restriction of occupation.	-
Decree for case of interference / remarks (for Germany only).	Highly flammable
Classification according to VbF / remarks (for Germany only).	A I Class: B
TA-Luft (Ger.)	III
Water Hazard Class (Ger.)	1
Other regulations, restrictions and prohibition regulations (for Germany only)	BG-Data sheet M 017 „Solvents“
Securityevaluation++Stoffsicherheitsbeurteilung	

**16. Other information (chapter 16.).**

(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.