

e-mail info@akemi.de

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.01.2023 Version number 4 (replaces version 3) Revision: 20.01.2023

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

· 1.1 Product identifier

· Trade name: Oil and Grease Remover Paste

· Article number: 10896, 10897

NRA0-F01P-M006-HAA6 · UFI:

· 1.2 Relevant identified uses of the substance or mixture and

No further relevant information available. uses advised against

· Application of the substance / the

mixture Oil stain remover

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960 Fax. +49(0)911-644456

Lechstrasse 28 D 90451 Nürnberg

· Further information obtainable

Laboratory

1.4 Emergency telephone

number: Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH

Tel. +49(0)911-64296-59

Reachable during the following office hours: Monday – Thursday from 07:30 a.m. to 16:30 p.m.

Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 H226 Flammable liquid and vapour. Flam. Liq. 3 STOT SE 3 H336 May cause drowsiness or dizziness.

Aguatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

· Storage: Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

· 2.2 Label elements

Labelling according to Regulation

(EC) No 1272/2008 Hazard pictograms

The product is classified and labelled according to the CLP regulation.





GHS02 GHS07

· Signal word Warning

Hazard-determining components of

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics labelling:

· Hazard statements H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements P101 If medical advice is needed, have product container or label at

hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P261 Avoid breathing vapours.

Avoid release to the environment. P273

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P280 Wear protective gloves.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water [or shower].

IF INHALED: Call a POISON CENTER/doctor if you feel P304+P312

P403+P233 Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/ P501

regional/national/international regulations.

· Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

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

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

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

· Dangerous components:		
EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412	12.5-25%
EC number: 932-020-9 Reg.nr.: 01-2119548395-31	EUH066 Kohlenwasserstoffe, C8-C9, Isoalkane Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336 EUH066	<10%

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

≥15 - <30% aliphatic hydrocarbons

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information: Take affected persons out into the fresh air.

After inhalation: Supply fresh air: consult doctor in case of complaints.

· After skin contact: If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: Rinse out mouth and then drink plenty of water.

· 4.2 Most important symptoms and effects, both acute and

delayed Headache

Dizziness Dizziness

· 4.3 Indication of any immediate medical attention and special

treatment needed If swallowed, gastric irrigation with added, activated carbon.

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SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol

resistant foam.

· 5.2 Special hazards arising from

the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and

emergency procedures Ensure adequate ventilation

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

• **6.2 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

svstem.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for

containment and cleaning up: Dispose of the material collected according to regulations.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal

binders, sawdust).

Ensure adequate ventilation.

• 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe

<u>handling</u> Store in cool, dry place in tightly closed receptacles.

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and

<u>explosion protection:</u> No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by

storerooms and receptacles: Store only in the original receptacle.

· Information about storage in one

common storage facility: Store away from oxidising agents.

Store away from foodstuffs.

· Further information about storage

<u>conditions:</u> Store in dry conditions.

· Storage class: 3

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· 7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the

workplace:

The product does not contain any relevant quantities of materials with critical

values that have to be monitored at the workplace

values that have to be monitored at the workplace.				
· <u>DNELs</u>	<u>-Ls</u>			
Hydrocar	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics			
Oral	DNEL (Langzeit-wiederholt)	125 mg/kg bw/day (BEV)		
Dermal	DNEL (Langzeit-wiederholt)	208 mg/kg bw/day (ARB)		
		125 mg/kg bw/day (BEV)		
Inhalative	DNEL (Langzeit-wiederholt)	871 mg/m³ Air (ARB)		
		185 mg/m³ Air (BEV)		
Kohlenwa	Kohlenwasserstoffe, C8-C9, Isoalkane			
Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)		
Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB)		
		699 mg/kg bw/day (BEV)		
Inhalative	DNEL (Langzeit-wiederholt)	2,035 mg/m³ Air (ARB)		
		608 mg/m³ Air (BEV)		

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

· 8.2 Exposure controls

· Respiratory protection:

· Hand protection

· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

General protective and hygienic

measures:

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols. Not necessary if room is well-ventilated.

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Skin protection agent recommendation for preventive skin shelter without use of

protective gloves:

STOKODERM (http://www.stoko.com)

Skin protection agent recommendation for preventive skin shelter in application

and combination of protective gloves: STOKO EMULSION (http://www.stoko.com)

Skin protection recommendation for skin cleaning after product handling:

FRAPANTOL (http://www.stoko.com)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (http://www.stoko.com)

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL

GmbH in compliance with EN374.

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This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

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.

· Penetration time of glove material Value for the permeation: Level \leq 6, 480 min

The exact break trough time has to be found out by the manufacturer of the

protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are

suitable:

Fluorocarbon rubber (Viton) Vitoject (KCL, Art_No. 890)

Nitrile rubber, NBR

Camatril (KCL, Art No. 730, 731, 732, 733)

· As protection from splashes gloves made of the following materials are

suitable:

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

· Not suitable are gloves made of

the following materials:

Natural rubber, NR Chloroprene rubber, CR

Leather gloves

Strong material gloves

Eye/face protection

Goggles recommended during refilling

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour: Light grey · Odour: Characteristic · Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling range 132 °C

· Lower and upper explosion limit

0.6 Vol % · Lower: · Upper: 7 Vol % 56 °C · Flash point:

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240 °C · Ignition temperature:

Not determined.

Not applicable

· Viscosity:

· Kinematic viscosity Not determined. 60.000 mPas · Dynamic at 20 °C:

Solubility

Not miscible or difficult to mix. · water:

· Vapour pressure at 20 °C: 1 hPa

Density and/or relative density

Density at 20 °C: 1.42 g/cm³

· 9.2 Other information

Appearance:

· Form: Pasty

· Important information on protection of health and

environment, and on safety.

Product is not selfigniting. Auto-ignition temperature:

· Explosive properties: Product does not present an explosion hazard.

· Solvent content:

· Organic solvents: 29.1 % 72.4 % · Solids content:

· Information with regard to physical hazard classes

Void Explosives Void · Flammable gases Void · Aerosols Void · Oxidising gases · Gases under pressure Void

· Flammable liquids Flammable liquid and vapour.

· Flammable solids Void · Self-reactive substances and mixtures Void

· Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures

Void

· Substances and mixtures, which emit flammable

gases in contact with water

Void Void · Oxidising liquids · Oxidising solids Void · Organic peroxides Void · Corrosive to metals Void · Desensitised explosives Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability Thermal decomposition /

No decomposition if used and stored according to specifications. conditions to be avoided:

· 10.3 Possibility of hazardous

reactions Reacts with strong oxidising agents. · 10.4 Conditions to avoid No further relevant information available. · 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition

No dangerous decomposition products known. products:

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

· LD/LC50 values relevant for classification:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Oral 5,000 mg/kg (rat) (OECD 401) LD50 Dermal LD50 >5,000 mg/kg (rabbit) (OECD 402) Inhalative LC50/4 h 4,951 mg/l (rat) (OECD 403)

Kohlenwasserstoffe, C8-C9, Isoalkane

Oral LD50 >7,100 mg/kg (rat) Dermal LD50 >2,200 mg/kg (rabbit)

· Skin corrosion/irritation Based on available data, the classification criteria are not met. · Serious eye damage/irritation Based on available data, the classification criteria are not met. · Respiratory or skin sensitisation Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. · Germ cell mutagenicity Based on available data, the classification criteria are not met. · Carcinogenicity · Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure May cause drowsiness or dizziness.

· STOT-repeated exposure Based on available data, the classification criteria are not met. · Aspiration hazard Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:				
Hydrocarbo	ns, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics			
EL50/48h	>22-<46 mg/l (daphnia magna)			
EL50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)			
LL50/96h	>10-<30 mg/l (Oncorhynchus mykiss)			
NOELR/72h	<1 mg/l (Pseudokirchneriella subcapitata)			

NOEC/21d 0.317 mg/l (daphnia magna)

NOELR/28d 0.182 mg/l (Oncorhynchus mykiss)

Kohlenwasserstoffe, C8-C9, Isoalkane

EC50/48h 2.4 mg/l (daphnia magna)

NOELR/72h 6.3 mg/l (Pseudokirchneriella subcapitata)

NOEC/21d 1 mg/l (daphnia magna)

NOELR/28d 0.46 mg/l (Oncorhynchus mykiss)

10 mg/l (Pseudokirchneriella subcapitata) EC50/72h

LC50/96h 18.4 mg/l (Oncorhynchus mykiss)

· 12.2 Persistence and

degradability No further relevant information available. · 12.3 Bioaccumulative potential No further relevant information available.

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• <u>12.4 Mobility in soil</u> No further relevant information available.

12.5 Results of PBT and vPvB assessment
 PBT: Not applicable.
 ∨PvB: Not applicable.

12.6 Endocrine disrupting

properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects · Additional ecological information:

· General notes: Do not allow undiluted product or large quantities of it to reach ground water,

water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for

water

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· <u>Recommendation</u> Must not be disposed together with household garbage. Do not allow product to

reach sewage system.

European waste catalogue

20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

20 01 00 separately collected fractions (except 15 01)

20 01 13* solvents

· Uncleaned packaging:

· Recommendation: Empty contaminated packagings thoroughly. They may be recycled after

thorough and proper cleaning.

· Recommended cleansing agents: Alcohol

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN3295

· 14.2 UN proper shipping name

· ADR 3295 HYDROCARBONS, LIQUID, N.O.S. HYDROCARBONS, LIQUID, N.O.S.

HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9-C10, n-

alkanes, isoalkanes, cycloalkanes, <2% aromatics)

· 14.3 Transport hazard class(es)

· ADR



· <u>Class</u> 3 (F1) Flammable liquids.

· Label

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· IMDG, IATA



· Class 3 Flammable liquids.

· <u>Label</u>

14.4 Packing group

· <u>ADR, IMDG, IATA</u> III

· 14.5 Environmental hazards:

· <u>Marine pollutant:</u> No

• 14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code):
EMS Number:
Stowage Category
30
F-E,S-D
E

· 14.7 Maritime transport in bulk according to IMO

instruments Not applicable.

· Transport/Additional information:

· ADR

Limited quantities (LQ)Excepted quantities (EQ)5LCode: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· Transport category 3 · Tunnel restriction code D/E

· <u>IMDG</u>

Limited quantities (LQ)Excepted quantities (EQ)5LCode: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation": UN 3295 HYDROCARBONS, LIQUID, N.O.S. 3, III

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

Named dangerous substances -

ANNEX I None of the ingredients is listed.

Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier

requirements

5,000 t

· Qualifying quantity (tonnes) for the

application of upper-tier

requirements

50,000 t

· REGULATION (EC) No 1907/2006

ANNEX XVII Conditions of restriction: 3

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· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

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

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 411.9 g/l

15.2 Chemical safety

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

SECTION 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:
 Date of previous version:
 Laboratory
 29.08.2022

· Version number of previous

version:

· 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 relatif au transport international 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulat

vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3

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

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

ΕU