



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.05.2021

Version number 9

Revision: 03.05.2021

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

- 1.1 Product identifier

- **Trade name:** KADEGRIND HG 5

- **Article number:** 38255

- **UFI:**

A9P0-P0XR-R00J-VY9E^

Notified for: Germany, Austria

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

No further relevant information available.

- **Application of the substance / the mixture** honing and grinding oil

- 1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**

KADE OIL GMBH
Münsterstraße 6 a
D-49565 Bramsche
Germany
info@kadeoil.de

- **Further information obtainable from:** Product safety department

- **1.4 Emergency telephone number:** During normal opening times: +49 (5461) 88 26 90

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**

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

- **Hazard pictograms**



GHS08

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Distillates (petroleum), hydrotreated light paraffinic

Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, < 2% Aromaten

- **Hazard statements**

H304 May be fatal if swallowed and enters airways.

- **Precautionary statements**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

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- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 64742-55-8 EINECS: 265-158-7 Reg.nr.: 01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	50 - 100%
EC number: 920-107-4 Reg.nr.: 01-2119453414-43	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, < 2% Aromaten Asp. Tox. 1, H304, EUH066	25 - 50%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119565113-46	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥ 0.025 - < 0.25%

- Additional information:

For the wording of the listed hazard phrases refer to section 16.

For all ingredients, in which no REACH registration number has been specified, they are exempt from registration.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information:

Take affected persons out of danger area and lay down.

Personal protection for the First Aider.

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

- **After skin contact:** After contact with skin, wash immediately with soap and water.

- After eye contact:

Remove any existing contact lenses if possible.

In case of persistent irritation, blurred vision or swelling, seek medical advice from a specialist.

- After swallowing:

May be fatal if swallowed and enters airways.

Call a doctor immediately.

In the event of spontaneous vomiting, keep your head below waist level to prevent aspiration of the product.

Rinse mouth thoroughly with water.

Beware of vomiting: risk of aspiration! Medical treatment necessary.

Do not induce vomiting.

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

Due to the low viscosity, there is a risk that the product may enter the lungs. Intake (ingestion) of this material may lead to an altered state of consciousness and coordination disorders. Treat symptomatically.

- **Hazards** Danger of pneumonia.

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

If swallowed or in case of vomiting, danger of entering the lungs.

Later observation for pneumonia and pulmonary oedema.

Beware of vomiting: risk of aspiration!

Because of the risk of aspiration, gastric lavage only under endotracheal intubation.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Do not inhale gas / smoke / vapor / aerosol.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
No dangerous substances are released.
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 handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Only store in the original packaging
- **Recommended storage temperature:** Storage at +5°C to +35°C. Keep away from frost!
- **Storage class:** 10
- **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.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Use skin protection cream for skin protection.
Do not carry product impregnated cleaning cloths in trouser pockets.
- **Respiratory protection:** Not required.
- **Hand protection**
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Protective gloves
Oil resistant gloves
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
 Preventive skin protection by use of skin-protecting agents is recommended.
 After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves

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.

Nitrile rubber, NBR

Recommended thickness of the material: > 0,2 mm

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

> 480 min.

- For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Nitrile rubber, NBR

- For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

- As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

- Eye/face protection Goggles recommended during refilling

SECTION 9: Physical and chemical properties
- 9.1 Information on basic physical and chemical properties
- General Information
- Physical state

Fluid

- Colour:

Yellow

- Odour:

Characteristic

- Odour threshold:

Not determined.

- Melting point/freezing point:

Undetermined.

- Boiling point or initial boiling point and boiling range

236 - 265 °C (Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, < 2% Aromaten)

- Flammability

Not applicable.

- Lower and upper explosion limit
- Lower:

0.5 Vol % (Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, < 2% Aromaten)

- Upper:

6.5 Vol % (CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic)

- Flash point:

138 °C (ISO 2592 (COC))

- Auto-ignition temperature:

Product is not selfigniting.

- Decomposition temperature:

Not determined.

- pH

Not determined.

- Viscosity:
- Kinematic viscosity at 40 °C
6.7 mm²/s
- kinematic at 20°C
- Dynamic:

Not determined.

- Solubility
- water:

Not miscible or difficult to mix.

- pH-value (3%)
- Partition coefficient n-octanol/water (log value)

Not determined.

- Vapour pressure at 20 °C:

< 0.1 hPa (CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic)

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- | | |
|-----------------------------------|--------------------------------------|
| - Density and/or relative density | |
| - Density at 15 °C: | 0.846 g/cm ³ (DIN 51 757) |
| - Relative density | Not determined. |
| - Vapour density | Not determined. |
-
- | | |
|--|---|
| - 9.2 Other information | |
| - Appearance: | |
| - Form: | Liquid |
| - Important information on protection of health and environment, and on safety. | |
| - Ignition temperature: | > 200 °C |
| - Explosive properties: | Product does not present an explosion hazard. |
| - Change in condition | |
| - Evaporation rate | Not determined. |
-
- | | |
|---|------|
| - Information with regard to physical hazard classes | |
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Void |
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | Void |
| - 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 |
| - Oxidising liquids | Void |
| - 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 / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values relevant for classification:

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Oral	LD50	> 5000 mg/kg (rat)
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Dermal	LD50	> 3000 mg/kg (Rabbit)
Kohlenwasserstoffe, C12-C15, n-Alkane,Isoalkane, Cyclene, < 2% Aromaten		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)
Inhalative	LC50/ 4h	> 5000 mg/L (rat)

- **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.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

Kohlenwasserstoffe, C12-C15, n-Alkane,Isoalkane, Cyclene, < 2% Aromaten		
EC50	> 1000 mg/L (alga)	
	> 1000 mg/L (Daphnia magna)	
LC50/ 96h	> 1000 mg/L (fish)	

- 12.2 Persistence and degradability

Kohlenwasserstoffe, C12-C15, n-Alkane,Isoalkane, Cyclene, < 2% Aromaten		
Biological degradation/ 28d	67.6 % (-)	

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** 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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation

Smaller quantities can be disposed of with household waste.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

12 00 00	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01 00	wastes from shaping and physical and mechanical surface treatment of metals and plastics

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12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
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- Uncleaned packaging:**- Recommendation:**

Disposal must be made according to official regulations.

Allocation of the waste code numbers must be realized under considerations of existing sector specifics and processes.

The above allocation is a recommendation for the disposal of the product after recommended use.

SECTION 14: Transport information

- 14.1 UN number or ID number

- ADR, ADN, IMDG, IATA	Void
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- 14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA	Void
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- 14.3 Transport hazard class(es)

- ADR, ADN, IMDG, IATA	Void
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- Class	Void
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- 14.4 Packing group

- ADR, IMDG, IATA	Void
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- 14.5 Environmental hazards:

- Marine pollutant:	No
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- 14.6 Special precautions for user	Not applicable.
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- 14.7 Maritime transport in bulk according to IMO instruments	It is not the intention to carry out bulk transport.
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- UN "Model Regulation":	Void
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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**- Labelling according to Regulation (EC) No 1272/2008**

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

- Hazard pictograms

GHS08

- Signal word Danger**- Hazard-determining components of labelling:**Distillates (petroleum), hydrotreated light paraffinic
Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, < 2% Aromaten**- Hazard statements**

H304 May be fatal if swallowed and enters airways.

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- Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- 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.

- National regulations:
- Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water (according to AwSV)

- 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.

- Relevant phrases

H304 May be fatal if swallowed and enters airways.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking.

- Department issuing SDS: Product safety department

- Contact: Mrs. Rittmann

- Date of previous version: 22.01.2021

- Version number of previous version: 8

- Abbreviations and acronyms:

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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- * Data compared to the previous version altered.

EU