

kLine Wax-Ex PRO

Revised on: 13.09.2024

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

1.1. Product identifier

kLine Wax-Ex PRO

UFI: JMMJ-PFED-EC03-R4U3

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

Use of the substance/mixture

special cleaners

Uses advised against

For industrial and commercial use only.

1.3. Details of the supplier providing the safety data sheet

| | |
|-----------------|--------------------|
| Company name: | DKS Technik GmbH |
| Street: | Gnadenwald 90a |
| Location: | A-6069 Gnadenwald |
| Phone: | +43 (0) 5223 48488 |
| E-mail: | office@dks.at |
| Contact person: | headquarters |
| Internet: | www.dks.at |

1.4. Emergency number:

Poison Information Center Austria, Tel.: +43 1 406 4343

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

If they accumulate in low-lying or enclosed spaces, there is an increased risk of fire and explosion.

In case of insufficient ventilation and/or use, explosive/highly flammable mixtures may form.

2.2. Label elements

Regulation (EC) No 1272/2008

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

Note on labeling

The product is classified and labelled according to EC directives or the respective national laws.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

Vapours are heavier than air, spread along the ground and form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant components

| CAS No. | substance name | | | Portion |
|------------|---|--------------|------------------|--------------|
| | EC No. | index number | REACH No. | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64771-72-8 | n-paraffins (C5-C20) | | | 75 - < 100 % |
| | 265-233-4 | | 01-2119930064-48 | |
| | Asp. Tox. 1; H304 EUH066 | | | |

Full text of H- and EUH-phrases: see section 16.

Specific concentration limits, M-factors and ATE

| CAS No. | EC No. | substance name | Portion |
|------------|--|----------------------|--------------|
| | Specific concentration limits, M-factors and ATE | | |
| 64771-72-8 | 265-233-4 | n-paraffins (C5-C20) | 75 - < 100 % |
| | inhalation: LC50 = >5.1 mg/l (dust or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg | | |

Labeling of ingredients according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If there is a risk of unconsciousness, place and transport the patient in the recovery position.

Remove the affected person from the danger area and lay them down.

After inhalation

Take the affected person out into fresh air. Keep the affected person resting and warm.

After skin contact

After cleansing, use oily skin care products.

Remove soiled clothing immediately, including underwear, shoes and socks.

After eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

DO NOT induce vomiting.

Have the patient drink plenty of water, preferably with activated charcoal.

In case of accident or if you feel unwell, seek medical advice immediately (if possible, show the operating instructions or safety data sheet).

4.2. Most important acute and delayed symptoms and effects

After inhalation:

The following symptoms may occur: Headache. Dizziness. Nausea. Sweating. dizziness.

4.3. Indication of any immediate medical attention or special treatment needed

Give activated charcoal to reduce absorption in the gastrointestinal tract.

SECTION 5: Firefighting measures**5.1. Extinguishing agents****Suitable extinguishing agents**

alcohol-resistant foam.

fire extinguishing powder.

water mist.

Spray water.

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carbon dioxide (CO₂).

Unsuitable extinguishing agents

full water jet.

Sharp jet of water.

5.2. Special hazards arising from the substance or mixture

hydrocarbons.

Pyrolysis products, toxic.

The vapors of the product are heavier than air and can accumulate in higher concentrations on the ground, in pits, canals and cellars.

5.3. Instructions for firefighters

In case of fire: Use self-contained breathing apparatus.

Additional information

Do not inhale explosion or fire gases.

Heavy soot development during combustion.

Use water spray to protect people and to cool containers in the danger area.

Contaminated fire-fighting water must not enter the sewer system.

Remove product from fire area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General information

Remove all sources of ignition.

Ventilate the affected area.

6.2. Environmental protection measures

Do not allow to enter drains or waterways.

Retain and dispose of contaminated washing water.

6.3. Methods and materials for containment and cleaning

More information

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).

Collect in closed containers and take for disposal.

Ventilate the affected area.

6.4. Reference to other sections

Vapors are heavier than air and spread along the ground.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Instructions for safe handling

Avoid aerosol formation.

Ventilate the affected area.

Information on fire and explosion protection

Keep away from sources of ignition - No smoking.

Take measures against electrostatic charges.

The vapors of the product are heavier than air and can accumulate in higher concentrations on the ground, in pits, canals and cellars.

Information on general hygiene measures in the workplace

Do not breathe gas/vapour/aerosol.

Avoid contact with eyes.

Work in well-ventilated areas or use a respiratory filter.

Wash hands before breaks and at the end of work. After cleaning, use oily skin care products

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use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed and store in a cool, well-ventilated place.

storage instructions

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: up to °C: 30

Storage class according to TRGS 510: 3A

7.3. Specific end uses

automotive care products

SECTION 8: Exposure controls/personal protection

8.1. Parameters to be monitored

occupational exposure limits

| CAS No. | Designation | ppm | mg/m ³ | F/m ³ | peak limiting factor | Notice | Art |
|---------|--|-----|-------------------|------------------|----------------------|--------|----------|
| - | hydrocarbon mixtures, Fractions (RCP group): C9-C14 aliphatics | | 300 | | 2(II) | | TRGS 900 |

Additional information on limit values

MAK values for Austria (GKV §6, as of 01.09.2012): 200 ml/m³

(hydrocarbon mixtures with a content of aromatic hydrocarbons of less than 1%, n-hexane of less than 5% and cyclo-/isohexanes of less than 25%)

8.2. Limitation and monitoring of exposure

Individual protective measures, such as personal protective equipment

eye/face protection

Recommendation: When decanting and transferring, wear tight-fitting safety goggles.

Hand protection

Tested protective gloves must be worn: PVC

(polyvinyl chloride). NBR (nitrile rubber). PVC (polyvinyl chloride). PVA (polyvinyl alcohol). Viton

Unsuitable material: CR (polychloroprene, chloroprene rubber). Butyl rubber. NR (natural rubber, natural latex).

body armor

Body protection: not required.

respiratory protection

Respiratory protection is required in case of: inadequate ventilation, insufficient extraction, high concentrations.

Handling larger quantities.

Full/half/quarter mask (DIN EN 136/140). a

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State of aggregation: fluid

Color: colorless clear

Odor: Hydrocarbons, aliphatic.

Melting point/freezing point: not determined

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| | |
|---|----------------------------------|
| boiling point or initial boiling point and boiling range: | 180-200 °C |
| Flammability: | not applicable not determined |
| Lower explosion limit: | 0.7 vol.-% |
| Upper explosion limit: | 7 vol.-% |
| Flash point: | 70 °C |
| Ignition temperature: | >200 °C |
| Decomposition temperature: | not determined |
| pH value: | not applicable |
| Kinematic viscosity: (at 40 °C) | >20.5 mm ² /s |
| Water solubility: | practically insoluble |
| solubility in other solvents not determined | |
| Partition coefficient n- octanol/water: | not determined |
| Vapour pressure: (at 20 °C) | 1 hPa |
| Density (at 20 °C): | 0.77 g/cm ³ |
| Relative vapor density: | not determined |
| Particle properties: | not determined |

9.2. Other information**information on physical hazard classes**

explosion hazards

During use, formation of explosive/highly flammable vapour/air mixtures is possible.

autoignition temperature

Solid:

not applicable

Gas:

not determined

Oxidizing Properties

not oxidizing.

Other safety-related parameters

Evaporation rate: Solvent separation

not determined

test: Solvent content: Dynamic

not determined

viscosity:

95

1800-2100 mPa·s

(at 20 °C)

More information

This material is flammable and can be ignited by heat, sparks, flames or other ignition sources (e.g. static electricity, pilot lights, mechanical/electrical equipment).

SECTION 10: Stability and reactivity**10.1. Reactivity**

No particular dangers worth mentioning.

10.2. Chemical stability

The product is chemically stable under recommended storage, use and temperature conditions.

10.3. Possibility of hazardous reactions

No particular dangers worth mentioning.

10.4. Conditions to avoid

In case of inadequate ventilation and/or use, explosive/flammable

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Mixtures possible.

10.5 Incompatible materials

Oxidizing agent, strong.

10.6 Hazardous decomposition products

No particular dangers worth mentioning.

SECTION 11: Toxicological information

11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

Acute toxicity

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

Harmful: may cause lung damage if swallowed. (Pulmonary edema.)

ATEmix calculates

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapor) > 20 mg/l; ATE (inhalative dust/mist) > 5 mg/l

| CAS No. | Designation | | | | |
|---------------------------------|-------------------------------|------------------|---------|--------|--------|
| | route of exposure | dose | species | source | method |
| 64771-72-8 n-Paraffins (C5-C20) | orally | LD50 >5000 mg/kg | rat | | |
| | dermal | LD50 >2000 mg/kg | rabbit | | |
| | inhalation (4 hours) dust/fog | LC50 >5.1 mg/l | rat | | |

irritant and corrosive effects

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

slightly irritating.

No labelling required. Please always read the information in the safety data sheet.

Sensitizing effects

Based on the available data, the classification criteria are not met.
not sensitizing.

Carcinogenic, mutagenic and reproductive toxic effects

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.

Specific target organ toxicity after single exposure

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

Specific target organ toxicity with repeated exposure

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

Repeated contact may cause skin dryness or cracking.

risk of aspiration

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

May be fatal if swallowed and enters airways.

Other information on examinations

Has a degreasing effect on the skin.

After cleansing, use oily skin care products.

11.2 Information on other hazards

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endocrine disrupting properties

Other Information

General Remarks

SECTION 12: Ecological information

12.1. Toxicity

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

Based on the available data on eliminability/degradation and bioaccumulation potential, long-term damage to the environment is unlikely.

| CAS No. | Designation | | | | | |
|------------|--------------------------|------------------|-----------|---|--------|--------|
| | Aquatic toxicity | dose | [h] [d] | species | source | method |
| 64771-72-8 | n-Paraffins (C5-C20) | | | | | |
| | Acute fish toxicity | LC50 >1000 mg/l | 96 hours | Pimephales promelas(fat-headed Minnow)) | MSDS | |
| | Acute algae toxicity | ErC50 >1000 mg/l | 72 hours | Skeletonema costatum | | |
| | Acute crustacea toxicity | EC50 >1000 mg/l | 48 hours | large water flea (Daphnia magna) | MSDS | |
| | fish toxicity | NOEC 0.139 mg/l | 28 days | | | |
| | crustacea toxicity | NOEC 0.361 mg/l | 21 d | | | |

12.2. Persistence and degradability

The product is easily biodegradable (manometric respirometry),

Half-life in the environment: < 10 days

12.3. Bioaccumulative potential

Floats on the water surface. Dissolved material is strongly adsorbed to the sediment. Product

evaporates partially within a day, but a significant part remains longer. Is

Soil adsorbed and is not mobile.

12.4. Mobility in soil

No data available

12.5. Results of the PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. Endocrine disrupting properties

This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms as no ingredient meets the criteria.

12.7. Other adverse effects

No particular dangers worth mentioning.

Further information

The product is poorly soluble in water.

Do not allow to enter drains.

Mechanical separation in cleaning systems possible.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

recommendations for disposal

Contact manufacturer for recycling.

The allocation of waste key numbers/waste designations must be carried out in accordance with the EAKV on a sector- and process-specific basis.

Waste code number for Austria: 55326 (white spirit, petroleum ether, ligroin, white spirit)

Waste code - unused product

140603 WASTES FROM ORGANIC SOLVENTS, COOLANTS AND PROPELLANTS (EXCEPT 07 AND 08); waste organic solvents, coolants and foam and aerosol propellants; other solvents and solvent mixtures; hazardous waste

Waste code - uncleaned packaging

150110 PACKAGING WASTE, ABSORBENT MATERIALS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING (NEWS); packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances; hazardous waste

Disposal of uncleaned packaging and recommended cleaning agents

Water with added surfactants.

Contaminated packaging must be completely emptied and can be reused after appropriate cleaning.

SECTION 14: Transport information

land transport (ADR/RID)

14.1. UN number or ID number: 14.2. UN

Not a dangerous good within the meaning of these transport regulations.

proper shipping name:

Not a dangerous good within the meaning of these transport regulations.

14.3. Transport hazard classes: 14.4

Not a dangerous good within the meaning of these transport regulations.

Packing group:

Not a dangerous good within the meaning of these transport regulations.

inland waterway transport (ADN)

14.1. UN number or ID number:

Not a dangerous good within the meaning of these transport regulations.

14.2. UN proper shipping

Not a dangerous good within the meaning of these transport regulations.

name:

14.3. Transport hazard classes: 14.4

Not a dangerous good within the meaning of these transport regulations.

Packing group:

Not a dangerous good within the meaning of these transport regulations.

maritime transport (IMDG)

14.1. UN number or ID number:

Not a dangerous good within the meaning of these transport regulations.

14.2. UN proper shipping

Not a dangerous good within the meaning of these transport regulations.

name:

14.3. Transport hazard classes: 14.4

Not a dangerous good within the meaning of these transport regulations.

Packing group: Air transport

Not a dangerous good within the meaning of these transport regulations.

(ICAO-TI/IATA-DGR)

14.1. UN number or ID number: 14.2. UN

Not a dangerous good within the meaning of these transport regulations.

proper shipping name:

Not a dangerous good within the meaning of these transport regulations.

14.3. Transport hazard classes: 14.4

Not a dangerous good within the meaning of these transport regulations.

Packing group: 14.5. Environmental

Not a dangerous good within the meaning of these transport regulations.

hazards

ENVIRONMENTALLY HAZARDOUS:

No

14.6. Special precautions for the user

Keep container tightly closed.

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14.7. Bulk cargo transport by sea according to IMO instruments

not relevant

SECTION 15: Legal provisions**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**Directive 2004/42/EC on VOCs from
Paints and varnishes:Content of volatile organic compounds (VOC) in
Weight percent: 95**Additional information**

Regulation (EC) No 648/2004 on detergents: applicable Regulation
(EC) No 1005/2009 on substances that deplete the ozone layer: not applicable Regulation (EC) No 850/2004 on
persistent organic pollutants: not applicable Regulation (EC) No 689/2008 concerning the export and
import of dangerous chemicals: This mixture does not contain any chemicals subject to the export notification procedure
(Annex I).

The mixture contains the following substances of very high concern (SVHC) which are included in the candidate list
according to REACH, Article 59: none The mixture contains
the following substances of very high concern (SVHC) which are subject to authorisation according to REACH, Annex
XIV: none

National regulations

Employment restriction:

Observe employment restrictions for young people (Section 22
JArbSchG).Water hazard class:
Status:1 - slightly hazardous to water
KBwS classification**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out for this substance.

SECTION 16: Other information**changes**

This data sheet contains changes from the previous version in section(s): 1,2,9,11,12.

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Abbreviations and acronyms

Asp. Tox: Aspiration hazard

2003/15/EC: contains a list of 26 allergenic fragrances 648/2004 (EC):

Detergents Regulation

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AGW: Workplace exposure limit (average air limit value at the workplace at which acute or chronic damage to the health of employees is not to be expected, eight-hour exposure on 5 working days/week during the working life)

ATEmix: Acute toxicity estimate of a mixture

BGR 190: Occupational Association Rule (190: Selection and use of respiratory protective equipment)

BImSchV: Ordinance on the Implementation of the Federal Immission Control Act

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

CAS No.: references the relevant literature on a specific substance (rarely substance group) with an international designation standard

CLP, 1272/2008 (EC): Regulation of the European Parliament on the classification, labelling and packaging of substances and mixtures. SDS according to the current version 2020/878

COD: Chemical Oxygen Demand

DIN: Standard of the German Institute for Standardization

DNEL: Derived No Effect Level (exposure limit (oral, dermal, inhalation) below which a substance does not cause any adverse effects on human health according to the current state of scientific knowledge)

EC50: mean effective concentration (toxicity value), effect on 50% of the test population

EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances (European list of chemical substances available on the market (new substances since 18.9.1981))

EN: European standard

ErC50: mean inhibitory concentration of the growth rate (algae inhibition test), effect on 50% of the test population

EUH-phrase (-Code): Hazard statement (EU-specific, not derived from GHS)

GHS: Global Harmonized System (Globally Harmonized System for Classification and Labeling of Chemicals)

hPa: Hectopascal (1000 hPa= 1bar)

H-phrase (-Code): Hazard statement

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Goods chemicals in bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods (Dangerous Goods Labelling for Dangerous Goods in maritime transport)

ISO: International Organization for Standardization

IUCLID: International Uniform Chemical Information Database

LC50: medium lethal concentration (toxicity value), effect on 50% of the test population

LD50: median lethal dose, effect on 50% of the test population

log Kow: Partition coefficient between octanol and water (model measure for the ratio between fat solubility and water solubility)

MARPOL: Maritime Pollution Convention (Convention for the Prevention of Marine Pollution by ships)

OECD: Organisation for Economic Co-operation and Development (Organisation for Economic Cooperation and Development)

OECD 301 (AF): Methods for the determination of biodegradability

PBT: persistent, bioaccumulative, toxic (substances that do not undergo natural degradation, living organisms and are generally toxic)

PNEC: Predicted No Effect Concentration (predicted concentration of a normally environmentally hazardous substance up to which no effects on the environment are apparent)

ppm: parts of a million (millionths), 10000ppm=1%

P-phrase (-Code): Safety note

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REACH, 1907/2006 (EC): Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

STOT RE: Specific target organ toxicity (repeated exposure)

STOT SE: Specific target organ toxicity (single exposure)

TRGS: Technical Rules for Hazardous Substances

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

VvVwS: Administrative regulation on substances hazardous to water

WGK: Water hazard class

Text of H- and EUH-phrases (number and full text)

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated contact may cause skin dryness or cracking.

EUH210 Safety data sheet available on request.

More information

This safety data sheet complies with Regulation (EC) No. 1907/2006, Article 31 as amended by Regulation (EU) 2020/878. The information in this data sheet is compiled to the best of our knowledge and corresponds to the state of knowledge at the date of revision. The information is intended to give you guidance on the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed or processed with other materials, the information in this safety data sheet cannot simply be transferred to the new material produced in this way.

(The data for the relevant components were taken from the latest safety data sheet of the supplier.)