

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2022

Version number 5 (replaces version 4)

Revision: 06.12.2022

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

#### 1.1 Product identifier

**Trade name V KSE****Article number:** 0000065700

#### 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** Thinner, Diluent

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Remmers GmbH

Bernhard-Remmers-Str. 13  
D-49624 Lönningen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit 4 , Lloyds Court  
Manor Royal, Crawley – West Sussex RH10 9QU  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037**Information department:**

Product Safety department: Phone: +44 (0) 1293 594 010

Email: sales@remmers.co.ukk

#### 1.4 Emergency telephone number:

National Poisons Information Service (NPIS):

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

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

Aquatic Chronic 4   H413 May cause long lasting harmful effects to aquatic life.

#### 2.2 Label elements

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

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

**Hazard pictograms**

GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

hydrocarbons, C11-C12, isoalkanes, &lt;2% aromatics

hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics

**Hazard statements**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

**Precautionary statements**

P101            If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.  
 P103 Read carefully and follow all instructions.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P405 Store locked up.

**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 the substances listed below with harmless additions.

<b>Dangerous components [% w/w]:</b>		
EC number: 918-167-1 Reg.nr.: 01-2119472146-39-XXXX	hydrocarbons, C11-C12, isoalkanes, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413, EUH066	≥70-≤85%
EC number: 920-107-4 Reg.nr.: 01-2119453414-43-XXXX	hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304, EUH066	≥20-<30%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-XXXX	propylene glycol substance with a Community workplace exposure limit	≥5-<10%

**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****After inhalation** Take affected persons into the open air and position comfortably**After skin contact** If skin irritation continues, consult a doctor.**After eye contact** Seek medical treatment.**After swallowing**

Do not induce vomiting. In case of prolonged discomfort, see a doctor. If the patient is conscious, give water to drink.

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

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

May cause irritation of the eyes.

Irritating effect on respiratory organs.

**Danger**

Swallowing followed by vomiting may lead to aspiration into the lungs which leads to suffocation or toxic pulmonary oedema.

Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

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

symptomatic treatment

To avoid dermatitis (skin inflammation), use skin cream.

\* **SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents**

Foam

Fire-extinguishing powder

Water spray jet

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**5.2 Special hazards arising from the substance or mixture**

May be released in case of fire  
Carbon monoxide (CO)  
(in case of incomplete combustion)  
Formation of poisonous gases during heating or in fires.

**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained breathing apparatus.  
Wear full protective suit.  
Put on breathing apparatus.

**Additional information** Cool endangered containers with water spray jet.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources  
Ensure adequate ventilation  
Put on breathing apparatus.

**6.2 Environmental precautions:**

Do not allow to enter the ground/soil.  
Prevent from spreading (e.g. by confining or oil barrier).  
Do not allow product to reach sewage system or water bodies.

**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.

**6.4 Reference to other sections**

Fumes can combine with air to form an explosive mixture.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Use only in well ventilated areas.  
Ensure good ventilation/exhaust in workplaces.  
Avoid the formation of aerosols.

**Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.  
Keep breathing equipment ready.

**7.2 Conditions for safe storage, including any incompatibilities****Storage**

**Requirements to be met by storerooms and containers:** No special requirements.  
**Information on storage in a common storage facility:** Store away from oxidising agents.  
**Further information about storage conditions:**  
Store container in a well ventilated position.  
Do not smoke in storage areas. Storage temperature: room temperature.  
Keep container tightly closed.

**\* SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Components with limit values that require monitoring at the workplace:****CAS: 57-55-6 propylene glycol**

WEL	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates
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**Additional information:** The lists that were valid during compilation were used as a basis.**8.2 Exposure controls****Appropriate engineering controls** Use only in well-ventilated areas.

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**Individual protection measures, such as personal protective equipment****General protective and hygienic measures**

Do not eat, drink or smoke while working.

Apply solvent-resistant skin protection preparation before beginning work.

Keep away from food, beverages and animal feed.

Wash hands before pauses and after work.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

**Respiratory equipment:**

In case of a risk of inhaling, wear half-mask with combination filter for organic vapours and particles. Filter A/P2.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

**Hand protection**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

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**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

**Eye/face protection** Safety glasses 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****Physical state**

Fluid

**Colour:**

clear

**Odour:**

Solvent-like

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

Not determined

**Boiling point or initial boiling point and boiling range**

185 - 213 °C

hydrocarbon mixture

**Flammability**

Not applicable.

**Lower and upper explosion limit****Lower:**

0.6 Vol %

hydrocarbon mixture

**Upper:**

7.0 Vol %

hydrocarbon mixture

**Flash point:**

ca. 64 °C

**Ignition temperature:**

&gt; 200 °C

hydrocarbon mixture

**Decomposition temperature:**

Not determined.

**pH**

Not determined.

**Viscosity:****Kinematic viscosity**

Not determined.

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<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Not miscible or difficult to mix
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	ca. 0.78 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>9.2 Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	Product is not explosive.
<b>Solvent separation test</b>	< 3 %
<b>Solvent content:</b>	100.00 %
<b>VOC EU</b>	780.0 g/l
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	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 handled and stored according to specifications.

Avoid: heat, flames, sparks

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** Strong oxidising agents

**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 that are relevant for classification:** No further relevant information available.

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**Skin corrosion/irritation:**

Dries skin out.

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

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

After swallowing and subsequent vomiting, aspiration into the lungs may occur which leads to suffocation or toxic lung oedema.

Frequent or longer lasting skin contact may degrease and dry out skin which may lead to skin irritation and inflammation (dermatitis).

Causes eye discomfort, however, no damage to eye tissue is possible.

**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**Type of test Effective concentration Method Assessment**

Data for isoparaffin hydrocarbon mixture:

If the product is dissolved in water to a maximum, no acute toxicity and no long-term damaging effects for water organisms are expected.

**12.2 Persistence and degradability** No further relevant information available.**Other information:**

Data of the isoparaffin hydrocarbon mixture:

It is expected that the substance decomposes moderately and that it is basically biodegradable according to OECD guidelines. The substance decomposes quickly in the air. It is expected that the substance will be eliminated in a waste water treatment installation.

**12.3 Bioaccumulative potential**

Data for isoparaffin hydrocarbon mixture: The substance is highly volatile and evaporates quickly in air when released.

**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:** Do not allow product to reach ground water, bodies of water or sewage system.**SECTION 13: Disposal considerations****Recommendation**

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

**European waste catalogue**

08 01 21\* | waste paint or varnish remover

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

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SECTION 14: Transport information	
<b>14.1 UN number or ID number</b> ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	Not a hazardous good according to the above regulations.
<b>UN "Model Regulation":</b>	Void

SECTION 15: Regulatory information	
<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
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	
<b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b>	
None of the ingredients is listed.	
<b>REGULATION (EU) 2019/1148</b>	
<b>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b>	
None of the ingredients is listed.	
<b>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b>	
None of the ingredients is listed.	

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

SECTION 16: Other information	
This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.	
<b>Relevant phrases</b>	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
<b>Classification according to Regulation (EC) No 1272/2008</b> Calculation method	
<b>Department issuing data specification sheet:</b> Product Safety department / EHS	
<b>Date of previous version:</b> 08.05.2019	
<b>Version number of previous version:</b> 4	
<b>Abbreviations and acronyms:</b>	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)	

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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

Flam. Liq. 3: Flammable liquids – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4