

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.03.2017

Version number 4

Revision: 30.03.2017

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

1.1 Product identifier

Trade name: **Spider Black**

Article number: 10963

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

Maintenance product

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg

Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

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.
+44 (171) 635 91 91
National Poison Inform. Centre
Medical Toxicology Unit
Avalonley Road
London SE14 5ER

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

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



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

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· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word

Danger

· Hazard-determining components of labelling:

Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane
 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 Hydrocarbons, C7-C9, n-alkanes, isoalkanes
 1-methoxy-2-propanol

· Hazard statements

H225 Highly flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic 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 label before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P260 Do not breathe mist/vapours/spray.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 EUH066 Repeated exposure may cause skin dryness or cracking.

· Additional information:· **2.3 Other hazards**· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients· **3.2 Chemical characterisation: Mixtures**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

EC number: 926-605-8 Reg.nr.: 01-2119486291-36	Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	25-50%
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CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35 02-2119752510-47-0000	1-methoxy-2-propanol Flam. Liq. 3, H226 STOT SE 3, H336	25-50%
EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, isoalkanes Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	12.5-25%
CAS: 8002-74-2 EINECS: 232-315-6	Paraffin waxes and Hydrocarbon waxes substance with a Community workplace exposure limit	<10%
EC number: 919-164-8 Reg.nr.: 01-2119473977-17	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) STOT RE 1, H372; Asp. Tox. 1, H304 Aquatic Chronic 3, H412	<10%
CAS: 1589-47-5 EINECS: 216-455-5 Index number: 603-106-00-0 Reg.nr.: 02-2119752454-37-0000	2-methoxypropanol Flam. Liq. 3, H226 Repr. 1B, H360D Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	<1%

· 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: Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Position and transport stably in side position.
- After inhalation: Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Information for doctor:

Breathing difficulty
Headache
Dizziness
Dizziness
Gastric or intestinal disorders
Nausea

Symptoms in intoxication with (aromatic) hydrocarbons (dosis letalis about 30 g)

a) In acute intoxication: headache, dizziness, euphoria, gastro-intestinal dysfunction, state of excitement, coma.

b) In chronic intoxication: myelotoxic damage, fatigue, dizziness, emaciation, cardiac palpitation after physical exercise, leucopenia, anemia, leukosis.

Therapy in hydrocarbons intoxication: In case of inhalation provision of fresh air; in case of peroral intake administration of Carbo medicinalis; only after intubation conduct of gastrolavage in application of Carbo medicinalis; in case of cramps administration of Diazepam 20 mg intravenously.

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- Hazards Danger of impaired breathing.
- **4.3 Indication of any immediate medical attention and special treatment needed** If swallowed, gastric irrigation with added, activated carbon.

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.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- **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.
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.
Cool endangered receptacles with water spray.
- Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.
Do not allow product to reach sewage system or any water course.
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).
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
- **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 handling** Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

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· Information about fire - and explosion protection:

Use only in well ventilated areas.

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Protect from heat.

Highly volatile, flammable constituents are released during processing.

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

· Storage:

· Requirements to be met by storerooms and receptacles:

Store in a cool location.
Store only in the original receptacle.
Prevent any seepage into the ground.

· Information about storage in one common storage facility:

Store away from oxidising agents.
Store away from foodstuffs.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

· **7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities:

No further data; see item 7.

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

107-98-2 1-methoxy-2-propanol

WEL	Short-term value: 560 mg/m ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
	Sk

8002-74-2 Paraffin waxes and Hydrocarbon waxes

WEL	Short-term value: 6 mg/m ³
	Long-term value: 2 mg/m ³

· DNELs

Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane

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)	2035 mg/m ³ Air (ARB)
		608 mg/m ³ Air (BEV)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes

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)	2035 mg/m ³ Air (ARB)
		608 mg/m ³ Air (BEV)

· Additional information:

The lists valid during the making were used as basis.

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· 8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

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

Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

- Respiratory protection:

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.

Short term filter device:

Filter AX

- Protection of hands:

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 analyses of the company KCL GmbH in compliance with EN374.

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.

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.

- 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.

Value for the permeation: Level ≤ 6, 480 min

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- 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:
 Fluorocarbon rubber (Viton)
 Vitoject (KCL, Art_No. 890)
 Nitrile rubber, NBR
 Camatril (KCL, 730, 731, 732, 733)
- Not suitable are gloves made of the following materials:
 Leather gloves
 Strong material gloves
- Eye protection:
 Tightly sealed goggles
- Body protection:
 Protective work clothing

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**General InformationAppearance:

- | | |
|----------------|-------------|
| <u>Form:</u> | Fluid |
| <u>Colour:</u> | Black |
| <u>Odour:</u> | Petrol-like |

- | | |
|------------------|----------------|
| <u>pH-value:</u> | Not applicable |
|------------------|----------------|

Change in condition

- | | |
|---|---------------|
| <u>Melting point/freezing point:</u> | Undetermined. |
| <u>Initial boiling point and boiling range:</u> | 316 °C |

- | | |
|---------------------|--------|
| <u>Flash point:</u> | -18 °C |
|---------------------|--------|

- | | |
|------------------------------|--------|
| <u>Ignition temperature:</u> | 270 °C |
|------------------------------|--------|

- | | |
|-----------------------------------|------------------------------|
| <u>Auto-ignition temperature:</u> | Product is not selfigniting. |
|-----------------------------------|------------------------------|

- | | |
|------------------------------|---|
| <u>Explosive properties:</u> | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
|------------------------------|---|

Explosion limits:

- | | |
|---------------|------------|
| <u>Lower:</u> | 2.3 Vol % |
| <u>Upper:</u> | 20.0 Vol % |

- | | |
|----------------------------------|--------|
| <u>Vapour pressure at 20 °C:</u> | 12 hPa |
|----------------------------------|--------|

- | | |
|--------------------------|------------------------|
| <u>Density at 20 °C:</u> | 0.78 g/cm ³ |
|--------------------------|------------------------|

- | | |
|--|-----------------------------------|
| <u>Solubility in / Miscibility with water:</u> | Not miscible or difficult to mix. |
|--|-----------------------------------|

Viscosity:

- | | |
|----------------------------|--------------------|
| <u>Dynamic:</u> | Not determined. |
| <u>Kinematic at 20 °C:</u> | 11 s (DIN 53211/4) |

Solvent content:

- | | |
|--------------------------|--------|
| <u>Organic solvents:</u> | 85.5 % |
|--------------------------|--------|

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Solids content:	12.9 %
9.2 Other information	No further relevant information available.

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.
 - No decomposition if used and stored according to specifications.
- **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.
- **10.6 Hazardous decomposition products:**
 - Carbon monoxide and carbon dioxide
 - Flammable gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.

· <u>LD/LC50 values relevant for classification:</u>
--

ATE (Acute Toxicity Estimates)

Inhalative	LC50/4 h	44.9 mg/l (rat)
------------	----------	-----------------

Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>20 mg/l (rat) (OECD 403)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2800 mg/kg (rabbit)
	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 mg/l (rat)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral	LD50	>5000 mg/kg (rat) (OECD-Prüfrichtlinie 401)
Dermal	LD50	>3400 mg/kg (rabbit) (OECD-Prüfrichtlinie 402)
Inhalative	LC50/4 h	>13.1 mg/l (rat)

- Primary irritant effect:
- 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.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- 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 May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information**12.1 Toxicity**Aquatic toxicity:**Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane**

EC50/48h	3 mg/l (daphnia magna)
EL50/72h	55 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	12 mg/l (Oncorhynchus mykiss)
NOELR/72h	30 mg/l (Pseudokirchneriella subcapitata)

Hydrocarbons, C7-C9, n-alkanes, isoalkanes

EC50/48h	3 mg/l (daphnia magna)
EL50/72h	10-30 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	>13.4 mg/l (Oncorhynchus mykiss)
NOELR/72h	10 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.17 mg/l (daphnia magna)
LC50/96h	< 10 mg/l (daphnia magna)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

EL50/48h	10-22 mg/l (daphnia magna)
EL50/72h	50-100 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	10-100 mg/l (Oncorhynchus mykiss)
NOELR/72h	3 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.097 mg/l (daphnia magna)
NOELR/21d	0.28 mg/l (daphnia magna)
NOELR/28d	0.091 mg/l (Oncorhynchus mykiss)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:Remark:

Toxic for fish

Additional ecological information:General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**Recommendation

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

European waste catalogue

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products

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16 03 05* organic wastes containing hazardous substances

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
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**
· ADR, IMDG, IATA UN3295
- **14.2 UN proper shipping name**
· ADR 3295 HYDROCARBONS, LIQUID, N.O.S., special provision 640D, ENVIRONMENTALLY HAZARDOUS
· IMDG HYDROCARBONS, LIQUID, N.O.S., MARINE POLLUTANT
· IATA HYDROCARBONS, LIQUID, N.O.S.
- **14.3 Transport hazard class(es)**
· ADR

 - Class 3 (F1) Flammable liquids.
 - Label 3
- IMDG

 - Class 3 Flammable liquids.
 - Label 3
- IATA

 - Class 3 Flammable liquids.
 - Label 3
- **14.4 Packing group**
· ADR, IMDG, IATA II
- **14.5 Environmental hazards:**
· Marine pollutant: Product contains environmentally hazardous substances:
Symbol (fish and tree)
· Special marking (ADR): Symbol (fish and tree)
- **14.6 Special precautions for user**
· Danger code (Kemler): Warning: Flammable liquids.
33
· EMS Number: F-E,S-D
· Stowage Category B
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

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· Transport/Additional information:

- ADR
 · Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml
- Transport category 2
 · Tunnel restriction code D/E

- IMDG
 · Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

- UN "Model Regulation": UN 3295 HYDROCARBONS, LIQUID, N.O.S., SPECIAL PROVISION 640D, 3, II, ENVIRONMENTALLY HAZARDOUS

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 E2 Hazardous to the Aquatic Environment
 P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
 · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
 · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 30
- National regulations:
 · Information about limitation of use: Employment restrictions concerning juveniles must be observed.
 Employment restrictions concerning pregnant and lactating women must be observed.
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
 · VOC EU 671.2 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.

- Relevant phrases
- | | |
|------|---|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |

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· Recommended restriction of use

· Department issuing SDS:

· Contact:

· Abbreviations and acronyms:

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

refer to Technical Data Sheet (TDS)

Laboratory

Dieter Zimmermann

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Carriage of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

· * Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC