

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Junckers Rustic Oil, Black

Product no.

560

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Oil treatment of wood, indoors

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Junckers Industrier A/S

Vaerftsvej 4

4600 Koege

Denmark

Tel.: +45 7080 3000

Contact person

Kirsten Andersen

E-mail

productsafety@junckers.dk

SDS date

2017-10-30

SDS Version

3.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

-

Hazard statement(s)

Not applicable

Safety statement(s)

General -

Prevention -

Response -

Storage -

Disposal -

According to EC-Regulation 2015/830

Identity of the substances primarily responsible for the major health hazards

Not applicable

▼ 2.3. Other hazards

Not applicable

Additional labelling

Safety data sheet available on request. (EUH210)

Repeated exposure may cause skin dryness or cracking. (EUH066)

Additional warnings

Not applicable

▼ VOC

VOC-MAX: 430 g/l, MAXIMUM VOC CONTENT (A/i (SB)): 500 g/l.

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

NAME:	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics
IDENTIFICATION NOS.:	CAS-no: - EC-no: 940-727-9
CONTENT:	15 - <25%
CLP CLASSIFICATION:	Asp. Tox. 1, H304, EUH066
NAME:	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
IDENTIFICATION NOS.:	CAS-no: (64742-48-9) EC-no: (918-167-1) REACH-no: 01-2119472146-39-xxxx
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4 H226, H304, H413, EUH066
NAME:	Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
IDENTIFICATION NOS.:	CAS-no: 246538-78-3 EC-no: (920-901-0) REACH-no: 01-2119456810-40-xxxx
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Asp. Tox. 1 H304, EUH066
NAME:	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
IDENTIFICATION NOS.:	CAS-no: (90622-58-5) EC-no: (927-285-2) REACH-no: 01-2119480162-45-xxxx
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Asp. Tox. 1 H304, EUH066
NAME:	Silane, dichlorodimethyl-, reaction products with siliciumdioxide
IDENTIFICATION NOS.:	CAS-no: 68611-44-9 EC-no: 271-893-4
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	NA
NAME:	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
IDENTIFICATION NOS.:	CAS-no: - EC-no: (918-481-9) REACH-no: 01-2119457273-39-xxxx.
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Asp. Tox. 1 H304, EUH066
NAME:	phthalic anhydride
IDENTIFICATION NOS.:	CAS-no: 85-44-9 EC-no: 201-607-5 Index-no: 607-009-00-4
CONTENT:	<0.1%
CLP CLASSIFICATION:	Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1 H302, H315, H317, H318, H334, H335
NAME:	Xylene
IDENTIFICATION NOS.:	CAS-no: 1330-20-7 EC-no: 215-535-7 REACH-no: 01-2119488216-32-xxxx Index-no: 601-022-00-9
CONTENT:	<0.1%
CLP CLASSIFICATION:	Flam. Liq. 3, Asp. Tox. 1, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4, STOT SE 3, STOT RE 2 H226, H304, H312, H315, H319, H332, H335, H373
NOTE:	SL
NAME:	ethylbenzen
IDENTIFICATION NOS.:	CAS-no: 100-41-4 EC-no: 202-849-4 Index-no: 601-023-00-4
CONTENT:	<0.05%
CLP CLASSIFICATION:	Flam. Liq. 2, Asp. Tox. 1, Acute Tox. 4, STOT RE 2

According to EC-Regulation 2015/830

NOTE: H225, H304, H332, H373
SL

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(inhale, vapour) > 20
ATEmix(inhale, gas) > 20000
ATEmix(dermal) > 2000
ATEmix(oral) > 2000
N chronic (CAT 4) Sum = $\sum(C_i/(M(\text{chronic})^{i*25})^{*0.1*10^{CAT4}} = 0,417310848 - 0,625966272$

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons. Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction is typically taking place within an hour subsequent to exposure. The reaction results in an inflammatory reaction to the lungs.

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

Nothing special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Halogenated compounds. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEEL

Siliciumdioxide, chemical prepared

Long-term exposure limit (8-hour TWA reference period): - ppm | 6 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 2,4 mg/m³

Comments: inhalable aerosol/respirable aerosol

ethylbenzen

Long-term exposure limit (8-hour TWA reference period): 100 ppm | 441 mg/m³

Short-term exposure limit (15-minute reference period): 125 ppm | 552 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

Xylene

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m³

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

phthalic anhydride

Long-term exposure limit (8-hour TWA reference period): - ppm | 4 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 12 mg/m³

Comments: Sen (Sen = Capable of causing respiratory sensitisation.)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% ...

Long-term exposure limit (8-hour TWA reference period): - ppm | 800 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Long-term exposure limit (8-hour TWA reference period): - ppm | 800 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Be...

Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m³

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Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics
Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

▼ DNEL / PNEC

DNEL (Xylene): 289 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (Xylene): 289 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - Workers

DNEL (Xylene): 180 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Xylene): 77 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Xylene): 174 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Systemic effects - General population

DNEL (Xylene): 174 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - General population

DNEL (Xylene): 108 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Xylene): 1,6 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (Xylene): 14,8 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

PNEC (Xylene): 0,327 mg/l
Exposure: Freshwater

PNEC (Xylene): 0,327 mg/l
Exposure: Marine water

PNEC (Xylene): 12,46 mg/kg
Exposure: Freshwater sediment

PNEC (Xylene): 12,46 mg/kg
Exposure: Marine water sediment

PNEC (Xylene): 2,31 mg/kg
Exposure: Soil

PNEC (Xylene): 6,58 mg/l
Exposure: Activated Sludge Plant

PNEC (Xylene): 0,327 mg/l
Exposure: Intermittent release

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, eating and drinking are not allowed in the work premises

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk

According to EC-Regulation 2015/830

management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

Hand protection

Recommended: Butyl rubber. Breakthrough time: > 60 minutes (Class 3)

Eye protection

Wear face shield alternatively safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Black
Odour	Mild
Odour threshold (ppm)	No data available.
pH	-
Viscosity (40°C)	147 +/- 15 mm ² /sek
Density (g/cm ³)	0,98

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	0
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	> 62
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****▼ Acute toxicity**

Substance: Siliciumdioxide, chemical prepared

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: > 5000 mg/kg

Substance: Siliciumdioxide, chemical prepared

Species: Rat

Test: LD50

Route of exposure: Oral

Result: > 5000 mg/kg

Substance: Siliciumdioxide, chemical prepared

Species: Rat

Test: LC0

Route of exposure: Inhalation

Result: 0,139 mg/l/ (4 h)

Substance: Xylene

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 3523 mg/kg bw

Substance: phthalic anhydride

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 1530 mg/kg

Substance: Silane, dichlorodimethyl-, reaction products with siliciumdioxide

Species: Rat

Test: LD50

Route of exposure: Oral

Result: > 5000 mg/kg

Substance: Silane, dichlorodimethyl-, reaction products with siliciumdioxide

Species: Rat

Test: LC0

Route of exposure: Inhalation

Result: 0,477 mg/l/4h

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Species: Rabbit

Test: NOAEL

Route of exposure: Dermal

According to EC-Regulation 2015/830

Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Rat
Test: NOAEL
Route of exposure: Oral
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Rat
Test: NOAEL
Route of exposure: Inhalation
Result: 5,6 mg/l (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Rabbit
Test: NOAEL
Route of exposure: Dermal
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Rat
Test: NOAEL
Route of exposure: Oral
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Rat
Test: NOAEL
Route of exposure: Inhalation
Result: 5,6 mg/l (aerosol - 4h) (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Species: Rabbit
Test: NOAEL
Route of exposure: Dermal
Result: 5000 mg/kg (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Species: Rat
Test: NOAEL
Route of exposure: Oral
Result: 5000 mg/l (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Species: Rat
Test: NOAEL
Route of exposure: Inhalation
Result: 5000 mg/kg (vapour 8h) no mortality

▼ Skin corrosion/irritation

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Test: OECD Guideline 404
Organism: Rabbit
Duration of Exposure: 4 h
Result: Moderate skinirritation

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Test: OECD Guideline 404
Organism: Rabbit
Result: Mild Skin Irritation

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 404
Organism: Rabbit
Duration of Exposure: 4 h
Result: Skin irritation

Data on substance: phthalic anhydride
Test: OECD Guideline 404

According to EC-Regulation 2015/830

Organism: Rabbit
Duration of Exposure: 4 h
Result: Mild Skin Irritation

Data on substance: Siliciumdioxide, chemical prepared
Test: analogous OECD-method
Organism: Rabbit
Result: not irritation

▼ **Serious eye damage/irritation**

Data on substance: Siliciumdioxide, chemical prepared
Test: analogous OECD-method
Organism: Rabbit
Result: not irritating

Data on substance: phthalic anhydride
Test: Draize test
Irritation Parameter: injury
Organism: Rabbit
Result: Severe Eye Irritation

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD TG 405
Organism: Rabbit
Result: No eye irritation

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Test: OECD TG 405
Organism: Rabbit
Result: No Eye Irritation

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Test: OECD TG 405
Organism: Rabbit
Result: No Eye Irritation

▼ **Respiratory or skin sensitisation**

Data on substance: phthalic anhydride
Test: OECD Guideline 406
Organism: Guinea pig

Result: Skin Sensitisation This product contains substances that may trigger an allergic reaction to predisposed persons.

Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction is typically taking place within an hour subsequent to exposure. The reaction results in an inflammatory reaction to the lungs.

▼ **Germ cell mutagenicity**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 471
Result: inactive (Ames test in vitro)
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 473
Result: inactive (chromosome damage in mammalian cells)
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 476
Result: inactive (mammalian cells)
No adverse effect observed.

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Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 473
Result: inactive (mammalian cells)

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 474
Result: inactive (in vivo micronucleus test)

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 478
Result: inactive (dominant lethal- test on rodents)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Test: OECD Guideline 471
Result: inactive (Ames test in vitro)
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Test: OECD Guideline 476
Result: inactive (mutation in mammalian cells)
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Test: OECD Guideline 473
Result: inactive (chromosome damage in mammalian cells)
No adverse effect observed.

▼ **Carcinogenicity**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD Guideline 453
Organism: Rat
Result: NOAEL: 2,2 mg/l (kidney, inhalation of vapour)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Test: OECD Guideline 453
Organism: Rat
Result: No Carcinogenicitet via inhalation

▼ **Reproductive toxicity**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD 422
Organism: Rat
Result: NOAEL (parental tox): 1000 mg/kg bw/dg
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD 422
Organism: Rat
Result: NOAEL (Fertilitet): 1000 mg/kg bw/dg
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD 422
Organism: Rat
Result: NOAEL (develop tox) 1000 mg/kg bw/dg
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Test: OECD TG 414
Organism: Rat
Result: NOAEL (Develop tox): 5,2 mg/l (inhalation of vapour)

According to EC-Regulation 2015/830

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD TG 414

Organism: Rat

Result: NOAEL (Maternal tox): 5,2 mg/l (inhalation of vapour)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD 422

Organism: Rat

Result: NOAEL (parental tox): 1000 mg/kg bw/dg

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD 422

Organism: Rat

Result: NOAEL (fertilitet): 1000 mg/kg bw/dg.

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD 422

Organism: Rat

Result: NOAEL (develop-tox): 1000 mg/kg bw/dg.

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD TG 414

Organism: Rat

Result: NOAEL (develop-tox): 5,2 mg/l (inhalation)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD TG 414

Organism: Rat

Result: NOAEL (maternal tox): 5,2 mg/l (inhalation)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Test: OECD 416

Organism: Rabbit

Result: NOAEL (Parental toksicitet) 20000 mg/m³ (inhallation)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Test: OECD TG 414

Organism: Rat

Result: NOAEL (Maternal toksicitet) 23900 mg/m³ (inhallation)

STOT-single exposure

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Organism: Human

Target organ: Central nervous system

Result: vapours may cause drowsiness and dizziness

▼STOT-repeated exposure

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD 408

Duration of Exposure: 3 months

Organism: Rat

Result: NOAEL: 1000 mg/l bw/dg (oral)

According to EC-Regulation 2015/830

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD 413

Duration of Exposure: 3 months

Organism: Rat

Result: NOAEL: >1,16 mg/l (inhalation vapour)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD 408

Duration of Exposure: 3 months

Organism: Rat

Result: NOAEL: 1000 mg/kg/jr (oral)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD 413

Duration of Exposure: 3 months

Organism: Rat

Result: NOAEL: > 1,16 mg/l (inhalation of vapour)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Test: OECD 408

Duration of Exposure: 3 months

Organism: Rat

Result: NOAEL = 1402 mg/m³

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Test: OECD 408

Duration of Exposure: 3 months

Organism: Mouse

Result: LOAEL = 9869 mg/m³

Aspiration hazard

No data available.

Long term effects

Nothing special

SECTION 12: Ecological information

▼ 12.1. Toxicity

Substance: Siliciumdioxide, chemical prepared

Species: Fish

Test: LC50

Duration: 96 h

Result: > 10000 mg/l

Substance: Siliciumdioxide, chemical prepared

Species: Daphnia

Test: EC50

Duration: 24 h

Result: > 1000 mg/l

Substance: Xylene

Species: Algae

Test: EC50

Duration: 73 h.

Result: 2,2 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with siliciumdioxide

Species: Fish

Test: LC50

Duration: 96h

Result: > 10000 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with siliciumdioxide

Species: Daphnia

Test: EC50

According to EC-Regulation 2015/830

Duration: 24h
Result: > 10000 mg/l

Substance: Silane, dichlorodimethyl-, reaction products with siliciumdioxide
Species: Algae
Test: IC50
Duration: 72 h
Result: > 10000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Fish
Test: LC50
Duration: 96 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Algae
Test: ErC50
Duration: 72 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Bacteria
Test: EC50
Duration: 5 h
Result: > 2 ml/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Daphnia
Test: NOEC
Duration: 21 d
Result: > 1 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics
Species: Algae
Test: NOEC
Duration: 72 h
Result: 1000 kg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Fish
Test: LC50
Duration: 96 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Algae
Test: ErC50
Duration: 72 h
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Bacteria
Test: EC50
Duration: 5 h
Result: > 2 ml/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
Species: Daphnia
Test: NOEC
Duration: 21 d
Result: > 1 mg/l

According to EC-Regulation 2015/830

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)
 Species: Algae
 Test: NOEC
 Duration: 72 d
 Result: 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Species: Fish
 Test: LC50
 Duration: 96 h.
 Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Species: Algae
 Test: ErC50
 Duration: 72 h.
 Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Species: Daphnia
 Test: LC50
 Duration: 48 h
 Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Species: Bacteria
 Test: EC50
 Duration: 5 h
 Result: > 2 ml/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
 Species: Algae
 Test: NOEC
 Duration: 72 h
 Result: 1000 mg/l

▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Xylene	Yes	Manometric Respirometry Test	Easily degradable
Hydrocarbons, C11-C14, isoalka...	Yes	Manometric Respirometry Test	77,6%
Hydrocarbons, C11-C13, isoalka...	No	Manometric Respirometry Test	31,3%
Hydrocarbons, C11-C12, isoalka...	No	Manometric Respirometry Test	31,3%

▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Siliciumdioxide, chemical prep...	No	No data available	No data available
Hydrocarbons, C10-C13, n-alkan...	No	No data available	No data available
Silane, dichlorodimethyl-, rea...	No	No data available	No data available
Hydrocarbons, C11-C13, isoalka...	No	No data available	No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code

08 01 11

waste paint and varnish containing organic solvents or other dangerous substances

According to EC-Regulation 2015/830

Specific labelling

-

Contaminated packing

No specific requirements.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

- 14.1. UN number -
- 14.2. UN proper shipping name -
- 14.3. Transport hazard class(es) -
- 14.4. Packing group -
- Notes -
- Tunnel restriction code -

IMDG

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -
- EmS -
- MP** -
- Hazardous constituent -

IATA/ICAO

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

According to EC-Regulation 2015/830

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

H413 - May cause long lasting harmful effects to aquatic life.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

shcw/chymeia

Date of last essential change (First cipher in SDS version)

2017-07-05(2.0)

Date of last minor change (Last cipher in SDS version)

2017-07-05