

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 27 Oct 2019

Print date: 9 Jun 2020

Version: 1.2

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FSG Schäfer GmbH

Instandsetzungs-Materialien für Möbelloberflächen



FSG-Turpentine Substitute

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

1.1. Product identifier

Trade name/designation:

FSG-Turpentine Substitute

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

Use of the substance/mixture:

Lösungsmittel

Relevant identified uses:

Sector of uses [SU]

SU 18: Manufacture of furniture

Product Categories [PC]

PC 35: Washing and cleaning products

Article categories [AC]

AC 11: Wood articles: furniture

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

FSG Schäfer GmbH

Boschstraße 14

48703 Stadthoorn

GERMANY

Telephone: +49 (0) 25 63 - 93 95 - 0

Telefax: +49 (0) 25 63 - 93 95 - 25

E-mail: verkauf@fsg-schaefer.de

Website: www.fsg-schaefer.de

E-mail (competent person): sdb@fsg-schaefer.de

only for Information: National Poisons Information Service (Birmingham Unit): 844 892 0111

1.4. Emergency telephone number

24h: Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department., Office FSG: +49 (0) 2563 93950. (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS08
Health hazard



GHS07
Exclamation mark

Signal word: Danger

hazard statements for physical hazards

H226 Flammable liquid and vapour.

hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary Statements Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment. (...)

Precautionary Statements Response

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 [or shower].

Precautionary Statements Storage

P405 Store locked up.

Precautionary Statements Disposal

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

Adverse human health effects and symptoms:

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

SECTION 3: Composition / information on ingredients

3.1. Substances

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-82-1 EC No.: 927-241-2 REACH No.: 01-2119471843-32-0000	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics Aquatic Chronic 3, Asp. Tox. 1, Flam. Liq. 3, STOT SE 3 Danger H226-H304-H336-H412-EUH066	100 weight-%

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

No data available

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

In case of severe poisoning, central nervous system depression, hypotension, bradycardia and hypothermia may occur. Subsequent observance for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), Water spray jet, Extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Full protection suit

5.4. Additional information

Cool endangered containers by spraying with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment:

Use personal protection equipment.

Emergency procedures:

Remove persons to safety.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Provide adequate ventilation.

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6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Fire prevent measures:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

Measures to prevent aerosol and dust generation:

If possible, do not use for spraying. Wipe for cleaning

Environmental precautions:

Do not allow to enter into surface water or drains.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Ensure adequate ventilation of the storage area.

Packaging materials:

Keep/Store only in original container.

Requirements for storage rooms and vessels:

Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Storage class: 3 - Flammable liquids

Further information on storage conditions:

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

7.3. Specific end use(s)

Industrial sector specific solutions:

not determined

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value
		② short-term occupational exposure limit value
		③ Instantaneous value
		④ Monitoring and observation processes
		⑤ Remark
WEL (GB)	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics CAS No.: 64742-82-1	① 500 mg/m ³ ⑤ (Aromatics)

8.1.2. Biological limit values

No data available

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Hydrocarbons, C9-C10, containing n-alkanes, iso alkanes, cyclics, with <2% aromatics CAS No.: 64742-82-1	900 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
Hydrocarbons, C9-C10, containing n-alkanes, iso alkanes, cyclics, with <2% aromatics CAS No.: 64742-82-1	300 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
Hydrocarbons, C9-C10, containing n-alkanes, iso alkanes, cyclics, with <2% aromatics CAS No.: 64742-82-1	1,500 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic
Hydrocarbons, C9-C10, containing n-alkanes, iso alkanes, cyclics, with <2% aromatics CAS No.: 64742-82-1	300 mg/kg bw/day	① DNEL worker ② oral, long-term, systemic

8.2. Exposure controls

8.2.1. Appropriate engineering controls

no restriction Safe handling: see section 7

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection

Skin protection:

The glove material has to be resistant and impermeable to the product / the substance / the mixture. Breakthrough times and swelling properties of the material must be taken into consideration.

Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), Neoprenkautschuk.

Wear protective gloves/protective clothing.

The following gloves may be used: Ultranitril 492, MAPA Professionnel & Nitril/Neopren Microflex 93-260 (EN374(JKL), EN388 (2000); Kat.III; AQL 0,65).

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: Paraffin

Safety relevant basis data

parameter		at °C	Method	Remark
pH	not determined			
Melting point	< -30 °C			MSDS Distributor
Freezing point	not determined			
Initial boiling point and boiling range	143 - 160 °C			MSDS Distributor

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parameter		at °C	Method	Remark
Decomposition temperature	not determined			
Flash point	27 °C			MSDS Distributor
Evaporation rate	not determined			
Auto-ignition temperature	287 °C			MSDS Distributor
Upper/lower flammability or explosive limits	0.8 – 6 Vol-%			The product is not explosive, however, formation of explosive / ignitable vapor / air mixtures is possible.
Vapour pressure	100 hPa	20 °C		MSDS Distributor
Vapour density	not determined			
Density	0.75 g/cm ³	20 °C		MSDS Distributor
Bulk density	not determined			
Water solubility	not determined			
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	0.91 mm ² /s	25 °C		MSDS Distributor

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Does not decompose when used for intended uses.

10.2. Chemical stability

No known hazardous reactions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon monoxide Carbon dioxide Volatile organic compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-82-1	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics	LD₅₀ oral: >5,000 mg/kg (Rat) MSDS Distributor LD₅₀ dermal: >5,000 mg/kg (Rabbit) MSDS Distributor LC₅₀ Acute inhalation toxicity (dust/mist): >4.951 mg/l (Rat) MSDS Distributor

Skin corrosion/irritation:

Causes mild skin irritation. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Serious eye damage/irritation:

Not an irritant.

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Respiratory or skin sensitisation:
not sensitising.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
64742-82-1	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics	LC₅₀: 10 – ≤100 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) MSDS Distributor LC₅₀: 10 – ≤100 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) MSDS Distributor LC₅₀: >100 mg/l (Algae/water plant) MSDS Distributor LC₅₀: >1,000 mg/l (Mikroorganismen) MSDS Distributor NOEC: <1 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) NOELR SDB BR EC₅₀: >1,000 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) EL 50 SDB BR EC₅₀: >22 – <46 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EL 50 SDB BR LC₅₀: >10 – <30 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout))

Effects in sewage plants:

Product may not be released into water without pre-treatment (biological sewage plant).

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
64742-82-1	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics	Yes, rapidly	Bioakkumulation potentiell möglich, Schädlich für Fische.

Biodegradation:

Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Bioconcentration factor (BCF):

Inherently biodegradable. bioaccumulation possible.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
64742-82-1	Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics	—

not applicable

12.6. Other adverse effects

Harmful to fish.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

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Waste code product:

14 06 03 * other solvents and solvent mixtures

*: Evidence for disposal must be provided.

Waste code packaging:

15 01 05 composite packaging

Waste treatment options

Appropriate disposal / Product:

Return to Distributor. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.





Appropriate disposal / Package:

Completely emptied packages can be recycled.

Other disposal recommendations:

Return to Distributor. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 1268	UN 1268	UN 1268	UN 1268
14.2. UN proper shipping name			
PETROLEUM PRODUCTS, N.O.S. (Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics)	PETROLEUM PRODUCTS, N.O.S. (Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics)	PETROLEUM PRODUCTS, N.O.S. (Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics)	PETROLEUM PRODUCTS, N.O.S. (Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics)
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
No	No	No	No

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.6. Special precautions for user			
Special provisions: 363, 664 Limited quantity (LQ): LQ 7 - 5 L Excepted Quantities (EQ): Hazard identification number (Kemler No.): 30 Classification code: F1 tunnel restriction code: (D/E) Remark: not determined	Special provisions: 363, 664 Limited quantity (LQ): LQ7 - 5 L Excepted Quantities (EQ): Classification code: F1 Remark: not determined	Special provisions: 363, 664 Limited quantity (LQ): LQ 7 - 5 L Excepted Quantities (EQ): EmS-No.: Remark: -	Special provisions: 363, 664 Limited quantity (LQ): LQ 7 - 5 L Excepted Quantities (EQ): Remark: -

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not determined

Additional information:

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 **[GB] National regulations**

Other regulations, restrictions and prohibition regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on persistent organic pollutants (POP)

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

16.1. Indication of changes

8.2 Exposure controls

Skin protection

16.2. Abbreviations and acronyms

For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (list of terms and abbreviations).

16.3. Key literature references and sources for data

No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

16.6. Training advice

No data available

16.7. Additional information

No data available