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

1.1. Product identifier

Trade name/designation:

REDOCOL Furniture Fresheners

Article No.:

MA10003

UFI:

0QE0-A040-V006-WXCY

* 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture:

Pflegemittel

Relevant identified uses:

Life cycle stage [LCS]

IS: Use at industrial sites

Sector of uses [SU]

SU 18: Manufacture of furniture

Article categories [AC]

AC 11e: Wood articles: Furniture & furnishings

★ 1.3. Details of the supplier of the safety data sheet

distributor: Supplier:

Ostermann UK Ltd

Stonebridge Cross Business Park

Unit 104 Pointon Way WR9 0LW Droitwich United Kingdom

Telephone: UK +44 (0) 1905 793 550, Ireland +44

(0) 1905 793 552

Telefax: +44 (0) 1905 793 559

E-mail: UK sales.uk@ostermann.eu, Ireland

sales.ie@ostermann.eu **Website:** www.ostermann.eu

E-mail (competent person): sds@ostermann.eu

* 1.4. Emergency telephone number

UK: For non-emergency personnel: +44 1905 793 550

IR: For non-emergency personnel: +44 1905 793 552, 24h: +49 30 - 30 68 67 00 (National Poison Inform. Centre Berlin) , UK +44 1905 793 550 / IR +44 (0)1905 793 552 (Only available during office hours.)

FSG Schäfer GmbH

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

Boschstraße 14

GERMANY

48703 Stadtlohn

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 (Flam. Liq. 3)	H226: Flammable liquid and vapour.	
	H304: May be fatal if swallowed and enters airways.	

en / GB / IE

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2.2. Label elements

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





GHS02 Flame

GHS08 Health hazard

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.	

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

Precautionary statements		
P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	
P103	.03 Read carefully and follow all instructions.	

Precautionary statements Prevention		
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P233	Keep container tightly closed.	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ Personal protection.	

Precautionary statements Response		
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/First aider.	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	
P331	Do NOT induce vomiting.	
P370 + P378	In case of fire: Use Jet of water spray; alcohol resistant foam; carbon dioxide (CO2); extinguishing powder. Class B fire extinguishers. to extinguish.	

Precautionary statements Storage		
P403 + P235	Store in a well-ventilated place. Keep cool.	

Precautionary statements Disposal		
P501	Dispose of contents/container to Disposal methods.	

2.3. Other hazards

Other adverse effects:

This mixture does not contain any substance that is considered to be persistent, bioaccumulative or toxic (PBT). This mixture contains no substance considered to be very persistent or very bioaccumulative (VPvB).

SECTION 3: Composition/information on ingredients

* 3.2. Mixtures

Description:

Mixture of following listed substances with nonhazardous additions.

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Hazardous ingredients / Hazardous impurities / Stabilisers:

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 918-167-1	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics Asp. Tox. 1 (H304), Flam. Liq. 3 (H226) Danger Acute Toxicity Estimate ATE (oral) 5,000 - 15,000 mg/kg ATE (dermal) 2,200 - 2,500 mg/kg ATE (inhalation, vapour) 4,951 - 9.3 mg/L	≥ 70 - < 100 weight-%
CAS No.: 64742-54-7 EC No.: 265-157-1 Index No.: 649-467-00-8	Distillates (petroleum), hydrotreated heavy paraffinic Carc. 1B (H350) Danger Acute Toxicity Estimate ATE (oral) 5,000 mg/kg ATE (dermal) 2,000 - 5,000 mg/kg ATE (inhalation, vapour) 2.18 - 5.53 mg/L	≥ 10 - < 25 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

If unconscious but breathing normally, place in recovery position and seek medical advice. Remove affected person from the danger area and lay down. When in doubt or if symptoms are observed, get medical advice.

Following inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Put victim at rest, cover with a blanket and keep warm. IF INHALED: Call a doctor if you feel unwell.

In case of skin contact:

IF ON SKIN: Wash with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following 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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire: Carbon monoxide. Carbon dioxide (CO2).

Hazardous combustion products:

As the product contains combustible, organic constituents, in the case of a fire, dense black smoke is formed, containing dangerous combustion products (see section 10).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Move undamaged containers from immediate hazard area if it can be done safely. Cool endangered containers by spraying with water.. Do not inhale explosion and combustion gases.

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5.4. Additional information

Do not allow run-off from fire-fighting to enter drains or water courses. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove all sources of ignition. Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8.

6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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). Treat the recovered material as prescribed in the section on waste disposal. Do not allow to enter into soil/subsoil.

For cleaning up:

Clean with detergents. Avoid solvent cleaners. Collect in closed and suitable containers for disposal.

6.4. Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Keep away from sources of ignition - No smoking. Avoid contact with skin. Avoid contact with eyes. Do not breathe gas/fumes/vapour/spray. Avoid the formation of flammable or explosive solvent vapours in the air and exceed the AGW limit values. Take off contaminated clothing and wash it before reuse.

Fire prevent measures:

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

Measures to prevent aerosol and dust generation:

Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep/Store only in original container. at room temperature Always close containers tightly after the removal of product.

Requirements for storage rooms and vessels:

Floors should be impervious, resistant to liquids and easy to clean. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on storage assembly:

Materials to avoid: see section 10.

Storage class (TRGS 510, Germany): 3 - Flammable liquids

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Further information on storage conditions:

Keep away from heat. Frost, Protect from sunlight. Keep away from sources of ignition - No smoking.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	2.73 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	5.58 mg/m ³	① DNEL worker ② Long-term – inhalation, local effects
Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	1.19 mg/m³	① DNEL Consumer ② Long-term – inhalation, local effects
Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	0.97 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	0.74 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
Distillates (petroleum), hydrotreated	9.33 mg/kg	① PNEC secondary poisoning
heavy paraffinic		
CAS No.: 64742-54-7		
EC No.: 265-157-1		

* 8.2. Exposure controls

8.2.1. Appropriate engineering controls

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

8.2.2. Personal protection equipment









Eye/face protection:

In full conatct: Wear face protection.

In splash contact: Suitable eye protection: EN 166.

Skin protection:

In full conatct: The glove material has to be resistant and impermeable to the product / the substance / the mixture.

Suitable material: NBR (Nitrile rubber) Thickness of the glove material: 0,4 mm.

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The selection of suitable gloves does not only depend on the material, but also on other quality characteristics 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.

Wear suitable protective clothing, solvent-resistant.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Other protection measures:

Usual measures for fire prevention. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol. Personal protection EN 14605.

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:** by respective labeling.

Odour: characteristic

Safety relevant basis data

Parameter	Value	at °C	1 Method
			② Remark
рН	No data available		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	179 - 191 °C		② MSDS Distributor
Flash point	60 °C		② MSDS Distributor
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	0.6 - 6 Vol-%		② MSDS Distributor
Vapour pressure	No data available		
Vapour density	No data available		
Density	0.78 g/cm³	20 °C	② MSDS Distributor
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Thermal sensitivity.

10.4. Conditions to avoid

Keep away from heat. Do not spray on naked flames or any incandescent material.

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10.5. Incompatible materials

Keep away from ... (incompatible materials to be indicated by the manufacturer). Oxidizing agent

10.6. Hazardous decomposition products

Carbon dioxide (CO2), Carbon monoxide, Nitrogen dioxide, carbon black.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics EC No.: 918-167-1

LD₅₀ oral: 5,000 - 15,000 mg/kg (Rat)

LD₅₀ dermal: 2,200 - 2,500 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (vapour): 4,951 - 9.3 mg/L (Rat)

Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1

LD₅₀ oral: 5,000 mg/kg (Rat)

LD₅₀ dermal: 2,000 - 5,000 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (vapour): 2.18 - 5.53 mg/L 4 h (Rat)

Acute dermal toxicity:

Frequently or prolonged contact with skin may cause dermal irritation. Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics EC No.: 918-167-1

LC₅₀: 1,000 mg/L 4 d (fish)

LC₅₀: 1,000 mg/L 4 d (crustaceans)

EC₅₀: 1,000 mg/L 3 d (Algae/water plant)

NOEC: 0.209 mg/L 28 d (fish)

NOEC: 1 mg/L 28 d (crustaceans)

Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1

LC₅₀: 100 mg/L 4 d (fish)

EC₅₀: 10,000 mg/L 2 d (crustaceans)

12.2. Persistence and degradability

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics EC No.: 918-167-1

Biodegradation: Yes, rapidly **Remark:** Biodegradable.

12.3. Bioaccumulative potential

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics EC No.: 918-167-1

Log K_{OW}: 1.99

Accumulation / Evaluation:

Inherently biodegradable. bioaccumulation possible.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics EC No.: 918-167-1

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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Distillates (petroleum), hydrotreated heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1 **Results of PBT and vPvB assessment:** —

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

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV Waste code product

07 01 04 * other organic solvents, washing liquids and mother liquors

*: Evidence for disposal must be provided.

Waste code packaging

15 01 06 mixed packaging

Waste treatment options

Appropriate disposal / Product:

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

Appropriate disposal / Package:

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Other disposal recommendations:

Return to Distributor.

SECTION 14: Transport information

Land transport (ADR/RID) Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or	ID number		
UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shi	pping name	-	
PAINT (Hydrocarbons, C11-C12, isoalkanes, <2% aromatics)			
14.3. Transport haz	ard class(es)		
*	*	*	
3	3	3	3
14.4. Packing group			
III	III	III	III
14.5. Environmenta	l hazards	-	
No	No	No data available	No
14.6. Special precau	utions for user		
Special Provisions: 650	Special Provisions: 650	Special Provisions: 650	Special Provisions: 650
Limited quantity (LQ): 5L	Limited quantity (LQ): 5L	Limited quantity (LQ): 5L	Limited quantity (LQ): 5L
	Classification code: F1	EmS-No.: F-E, S-E	

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
Hazard identification			
number (Kemler No.): 30			
Classification code: F1			
Tunnel restriction code: (D/E)			

14.7. Maritime transport in bulk according to IMO instruments

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

Restrictions on use:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

Other regulations (EU):

Hazard categories:

- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 100 weight-%

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

1.2.	Relevant identified uses of the substance or mixture and uses advised against
1.3.	Details of the supplier of the safety data sheet
1.4.	Emergency telephone number
3.2.	Mixtures
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
14.3.	Transport hazard class(es)
14.7.	Maritime transport in bulk according to IMO instruments
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

breviations and acronyms
Article Category
European Agreement concerning the International Carriage of Dangerous Goods by Inland
Waterways
European Agreement concerning the International Carriage of Dangerous Goods by Road
Threshold Limit Value
Chemical Abstracts Service
Classification, Labelling and Packaging

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DNEL derived no-effect level
EC₅₀ Effective Concentration 50%
ECHA European Chemicals Agency
EWC European Waste Catalogue

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization

KG body weight

LC₅₀ Lethal (fatal) Concentration 50%

LD₅₀ Lethal (fatal) Dose 50%

NFPA National Fire Protection Association
NOEC No Observed Effect Concentration
PBT persistent and bioaccumulative and toxic

PNEC Predicted No Effect Concentration

REACH Registration, Evaluation and Authorization of Chemicals RID Dangerous goods regulations for transport by rail

SU use category

TRGS Technische Regeln für Gefahrstoffe

UN United Nations

VOC Volatile organic compounds

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (Flam. Liq. 3)	H226: Flammable liquid and vapour.	
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	

* 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H350	May cause cancer.

16.6. Training advice

No data available

16.7. Additional information

The information provided in this safety data sheet is correct to the best of our knowledge at the time of going to press. This information is intended to provide guidance for the safe handling, storage, processing, transport and disposal of the product mentioned in this safety data sheet. The information is not transferable to other products. If the product is mixed with other materials, mixed or processed, or subjected to processing, the data contained in this safety data sheet can not be transferred to the new material thus produced unless otherwise expressly stated otherwise.

^{*} Data changed compared with the previous version.