

SAFETY DATA SHEET

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

Revision date: 24 Feb 2022

Print date: 23 Aug 2022

Version: 1.0.0



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REDOCOL Furniture Fresheners

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:

Metal surface treatment products

1.3. Details of the supplier of the safety data sheet

distributor:

Ostermann UK Ltd

Stonebridge Cross Business Park

Unit 104 Poynton 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): j.bruns@ostermann.eu

* 1.4. Emergency telephone number

UK: Mr. J. Bruns +44 1905 793 550

IR: Mr. J. Bruns +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.)

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. 3</i>)	H226: Flammable liquid and vapour.	
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS08
Health hazard

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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 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.

Hazardous ingredients / Hazardous impurities / Stabilisers:

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	≥ 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	≥ 10 - < 25 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

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 soap and water. 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.

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.

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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

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

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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/m ³	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 heavy paraffinic CAS No.: 64742-54-7 EC No.: 265-157-1	9.33 mg/kg	① PNEC secondary poisoning

* 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 contact: Wear face protection.

In splash contact: Suitable eye protection: EN 166

Skin protection:

In full contact: 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.

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

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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
pH	<i>not determined</i>		
Melting point	<i>not determined</i>		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	179 – 191 °C		② MSDS Distributor
Decomposition temperature	<i>not determined</i>		
Flash point	60 °C		② MSDS Distributor
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	0.6 – 6 Vol-%		② MSDS Distributor
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	0.78 g/cm ³	20 °C	② MSDS Distributor
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	<i>not determined</i>		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

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.

* 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.

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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.

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

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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
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*: Evidence for disposal must be provided.

Waste code packaging

15 01 06	mixed packaging
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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 shipping name			
PAINT (Hydrocarbons, C11-C12, isoalkanes, <2% aromatics)	PAINT (Hydrocarbons, C11-C12, isoalkanes, <2% aromatics)	PAINT (Hydrocarbons, C11-C12, isoalkanes, <2% aromatics)	PAINT (Hydrocarbons, C11-C12, isoalkanes, <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 data available	No
14.6. Special precautions for user			
Special Provisions: 650 Limited quantity (LQ): 5L Hazard identification number (Kemler No.): 30 Classification code: F1 Tunnel restriction code: (D/E)	Special Provisions: 650 Limited quantity (LQ): 5L Classification code: F1	Special Provisions: 650 Limited quantity (LQ): 5L EmS-No.: F-E, S-E	Special Provisions: 650 Limited quantity (LQ): 5L

14.7. Maritime transport in bulk according to IMO instruments

No data available

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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):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], 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

1.1.	Product identifier
1.4.	Emergency telephone number
3.2.	Mixtures
5.3.	Advice for firefighters
6.1.	Personal precautions, protective equipment and emergency procedures
6.4.	Reference to other sections
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.5.	Incompatible materials
14.1.	UN number or ID number
14.2.	UN proper shipping name
14.5.	Environmental hazards
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes

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

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 (<i>Flam. Liq. 3</i>)	H226: Flammable liquid and vapour.	
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	

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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.
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.