

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.11.2021

Version number 3 (replaces version 2)

Revision: 08.11.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**· **Trade name:** **REDOCOL Kontakkleberspray****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture** Adhesives**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Ostermann UK Ltd.
Stonebridge Cross Business Park
Unit 104 Pounton Way
Droitwich
WR9 0LW
United Kingdom
Phone (UK): +44 (0) 1905 793 550
Phone (Ireland): +44 (0) 1905 793 552
Fax: +44 (0) 1905 793 559

Informing department:

Customer Service:
Phone: +49 (0) 2871 / 2550-0

1.4 Emergency telephone number:

Gift-Informationszentrum Nord, Göttingen
Poison Information Center, Göttingen
Tel.: +49 (0)551 19240
(German and English only)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**· **Classification according to Regulation (EC) No 1272/2008**

flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Eye Irrit. 2

H319

Causes serious eye irritation.

STOT SE 3

H336

May cause drowsiness or dizziness.

Aquatic Chronic 3

H412

Harmful to aquatic life with long lasting effects.

2.2 Label elements· **Labelling according to Regulation (EC) No 1272/2008**

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

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Hazard pictograms


GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:

methyl acetate

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description:

Adhesive.

Mixture of the substances listed below including additives not requiring identification.

Dangerous components:

CAS: 79-20-9	methyl acetate	50 - 100%
EINECS: 201-185-2	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT	
Reg.nr.: 01-2119459211-47-X	SE 3, H336, EUH066	

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CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-X	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25 - 50%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35-X	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥ 2.5 - < 10%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
 - **After skin contact**
Wash with water and soap.
Remove contaminated clothing immediately.
 - **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
Remove contact lenses if possible.
 - **After swallowing**
Swallowing is not considered to be a possible way of exposure.
Rinse out mouth.
Do NOT induce vomiting in order to prevent an invasion into the lungs.
Consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
 - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Inhalation of combustion gases may cause serious health hazards.
Can form explosive gas-air mixtures.
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus.
 - **Additional information**
Remove goods in stock from incendiary zone, if possible.
Use water to keep fire exposed containers cool.
Water spray may be used to flush spills away from exposure.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from sources of ignition and care for sufficient ventilation due to the content of organic solvents.
Wear protective equipment. Keep unprotected persons away.
Avoid contact to eyes, skin and clothes.

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- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Complete cleaning with water.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid direct contact with eyes, skin and clothing.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:**
Store only undamaged original packaging drums.
Store in cool location.
Protect from frost.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
WEL: workplace exposure limit
OEL: Occupational Exposure Limit

79-20-9 methyl acetate

WEL (Great Britain)	Short-term value: 770 mg/m ³ , 250 ppm Long-term value: 616 mg/m ³ , 200 ppm
OEL (Ireland)	Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm

115-10-6 dimethyl ether

WEL (Great Britain)	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
IOELV (European Union)	Long-term value: 1920 mg/m ³ , 1000 ppm

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OEL (Ireland)	Long-term value: 1920 mg/m ³ , 1000 ppm IOELV
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· **DNELs****79-20-9 methyl acetate**

Oral	DNEL (consumer, long-term, systemic)	44 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	88 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	44 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	610 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	131 mg/m ³ (human)
	DNEL (worker, long-term, local)	305 mg/m ³ (human)
	DNEL (consumer, long-term, local)	152 mg/m ³ (human)

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	DNEL (consumer, long-term, systemic)	699 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	773 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	699 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	2,035 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	608 mg/m ³ (human)

· **Additional information:** The lists that were valid during the compilation were used as basis.· **8.2 Exposure controls**· **Individual protection measures, such as personal protective equipment**· **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

Ensure the availability of suitable extraction/air extraction in the workplace or at work machines.

Use breathing protection in case of insufficient ventilation.

Short term filter device:

Filter Type A.

· **Hand protection**

Protective gloves are recommended at frequent and/or long-term skin contact with the product.

There is no suitable material for protective gloves for this substance. The recommended protective glove has to be replaced often

· **Material of gloves** Butyl rubber, BR· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

In case of a layer thickness of 0.7 mm the penetration time is longer than 240 minutes.

· **Eye/face protection**

Tightly sealed safety glasses.

· **Environmental exposure controls** Avoid the uncontrolled release into the environment.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

· Colour:	Amber coloured
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	56 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	1 Vol %
· Upper:	13 Vol %
· Flash point:	-29 °C
· Self-inflammability:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· SADT	
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic:	Not determined.
· Solubility	
· Water:	Insoluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density	Not determined
· Relative density at 20 °C	0.92
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	275 °C
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Change in condition	
· Evaporation rate	Not determined.

Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void

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· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

79-20-9 methyl acetate

Oral	LD50	6,482 mg/kg (rat) (OECD 401)
Dermal	LD0	2,000 mg/kg (rat) (OECD 402)
Inhalative	LC0	49.2 mg/l/4h (rabbit)

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	> 5,840 mg/kg (rat)
Dermal	LD50	> 2,800 mg/kg (rat)
Inhalative	LC50	> 25.2 mg/l/4h (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

· **Repeated dose toxicity**

79-20-9 methyl acetate

Inhalative	NOAEC (28d)	1,057 mg/m ³ (rat) (OECD 412)
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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Inhalative	NOAEC (90d)	24,300 mg/m ³ (rat) (OECD 413)
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· 11.2 Information on other hazards
· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity
· Aquatic toxicity:
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC50 (static) 3 mg/l/48h (Daphnia magna) (OECD 202)

LC50 11.4 mg/l/96h (Oncorhynchus mykiss) (OECD 203)

EC50 (static) > 10 mg/l/72h (Pseudokirchneriella subcapitata) (OECD 201)

· 12.2 Persistence and degradability No further relevant information available.

· Other information: There are no data available about the preparation.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects
· Additional ecological information:
· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation

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

· Uncleaned packagings:
· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· 14.1 UN number or ID number
· ADR/ADN, IMDG, IATA

UN1950

· 14.2 UN proper shipping name
· ADR/ADN

1950 AEROSOLS

· IMDG, IATA

AEROSOLS

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· **14.3 Transport hazard class(es)**

· **ADR/ADN**



- **Class** 2 5F Gases.
- **Label** 2.1

· **IMDG, IATA**



- **Class** 2 Gases.
- **Label** 2.1

· **14.4 Packing group**

- **ADR/ADN, IMDG, IATA** Void

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Warning: Gases.

- **Kemler Number:** -
- **EMS Number:** F-D,S-U
- **Stowage Code** SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR/ADN**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
- **Transport category** 2
- **Tunnel restriction code** D

· **IMDG**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

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· IATA	Air transport prohibited.
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - **Chemical safety assessment**
 - **Seveso category** P3a FLAMMABLE AEROSOLS
 - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
 - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
 - **National regulations**
 - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- | |
|--|
| · Substances of very high concern (SVHC) according to REACH, Article 57 |
| None of the ingredients is contained. |
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H220 Extremely flammable gas.
 - H225 Highly flammable liquid and vapour.
 - H280 Contains gas under pressure; may explode if heated.
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H336 May cause drowsiness or dizziness.
 - H411 Toxic to aquatic life with long lasting effects.
 - EUH066 Repeated exposure may cause skin dryness or cracking.

- **Department issuing data specification sheet:**

- ▶ **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.

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- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Gas 1A: Flammable gases – Category 1A
 Aerosol 1: Aerosols – Category 1

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Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· * **Data compared to the previous version altered.**

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