

**Safety data sheet pursuant to ordinance
(EC) No. 453/2010
(EC) No. 1907/2006 (REACH)**

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Cimco-Werkzeugfabrik
Carl Jul. Müller GmbH & Co. KG

1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

1.1 Product identifier

Product name Rust remover and contact spray Art. No. **151040**
Trade name Rust remover and contact spray Art. No. **151040**
CAS No.
EC No.

1.2 Relevant identified use of material or mixture and uses that are not advisable

Recommended
limitations of the
application

Use of the material/mixture Technical aerosols

1.3 Details on the supplier who is making the safety data sheet available

Company Cimco Werkzeugfabrik Carl Jul. Müller GmbH & Co. KG
Hohenhagener Straße 1 - 5
D-42855 Remscheid, Germany
+49 (0) 21913718-01 Fax: +49 (0) 21913718-86

1.4 Emergency number **Emergency CONTACT (24-Hour-Number)**
GBK GmbH +49 (0)6132-84463

2. POSSIBLE HAZARDS

2.1 Classification of the material

- **Classification in accordance with the directive (EC) No. 1272/2008 [CLP/GHS]**
Aerosol 1 H222, H229,
Aquatic Chronic 3 H412

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2.2 Label elements

- Labelling according to directive (EC) No. 1272/2008 [CLP/GHS]



GHS02

Signal word:

Hazard

Hazard information:

H222 Extremely inflammable aerosol.
H229 Pressurised container: could burst if heated.
H412 Hazardous for water organisms, with long-term effects.

Safety information:

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke.
P211 Do not spray against open flames or other sources of ignition.
P251 Do not puncture or incinerate, even after use.
P261 Avoid breathing in dust/smoke/gas/mist/vapour/aerosol.
P271 Only use outdoors or in well ventilated rooms.
P273 Avoid releasing into the environment.
P301 + P310 IF SWALLOWED: Immediately call the POISON CONTROL CENTRE/doctor.
P410 + P412 Protect against direct sunlight and do not expose to temperatures above 50°C.
P501 Dispose of content/container as problem waste.

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2.3 Other dangers

- If used extensively, a flammable / combustible mixture of vapour and air can be formed.
- **Results of the PBT and vPvB assessment**
- **PBT:** The materials in the mixture do not meet the PBT/vPvB criteria according to REACH, Appendix XIII.
- **vPvB:** not applicable

3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
2-(2-Heptadec-8-enyl-2-imidazoli-1-yl)ethanol	202-414-9	95-38-5	0.3-0.99 Skin Corr. 1B, H314 Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Propane	200-827-9	74-98-6	10-24.99 Flam. Gas 1, H220 Compressed gas
Distillate (crude oil), solvent wax removed heavy containing paraffin	265-169-7	64742-65-0	50-74.99 Asp. Tox. 1, H304
Naphtha (crude oil), heavy hydrogen-treated	265-150-3	64742-48-9	10-19.99 Asp. Tox. 1, H304
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	203-749-3	110-25-8	0.3-0.99 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H332 Skin Irrit. 2, H315

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4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

Remove dirty, saturated clothing immediately.

After inhaling

Ensure there is fresh air.
In the event of complaints, seek medical assistance.

After skin contact

In the event of skin contact, rinse off with water.
In the event of long-term skin irritation, consult doctor.

After swallowing

Do not induce vomiting.
Seek medical assistance.

After eye contact

In the event of contact with the eyes, rinse thoroughly with lots of water and consult a doctor.

4.2 Important symptoms and effects which are acute or occur with a delay

No information is available.

4.3 Indication of any immediate medical attention and special treatment needed

No information is available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing agents

Suitable extinguishing agents

Alcohol resistant foam, extinguishing powder, carbon dioxide, fine water spray

Unsuitable extinguishing agents

Direct water jet

5.2 Particular risks associated with the material or mixture

Danger of bursting. In the event of a fire, it is possible that hazardous gases may be formed.

5.3 Information on fire fighting

Special protective equipment for firefighting:

In the presence of combustion or carbonization gases, any firefighting, rescue and clearing up activities should be undertaken only with heavy-duty respiratory protection.

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Further information:

Cool endangered containers with water spray jet.

Collect contaminated quenching water separately; it must not enter the sewage system.

6. MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

6.1 Person-related safety precautions, protective equipment and procedures to be followed in emergencies

Ensure sufficient ventilation.

Keep people away and remain upwind.

Use personal protective clothing.

6.2 Environmental protection measures

If surface water or sewage system are contaminated, inform the responsible authorities.

Do not allow to enter the sewage system or ground water.

Do not allow to enter sewage system / surface water / ground water.

6.3 Methods and material for containment and cleaning

Absorb with suitable liquid-binding materials.

Dispose of the absorbed material in accordance with the regulations.

6.4 References to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protective equipment: see section 8

7. HANDLING AND STORAGE

7.1 Safety measures for safe handling

Information on safe handling

Extraction in enclosed spaces at floor height.

Ensure good room ventilation, extraction at the workplace where necessary.

General protection measures

Avoid contact with the eyes and skin. Do not inhale gases / vapours / aerosols.

Hygiene measures

Do not smoke, eat or drink while working.

Wash hands before breaks and after finishing work.

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Information on fire and explosion protection

Keep away from ignition sources – Do not smoke.
Do not spray onto flames or incandescent materials.
Pressurised container.
Do not force open or incinerate after use.
Together with air, vapours can form an explosive mixture.
Take measures to protect against electrostatic charges.
Avoid exposure to heat.

7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements

Keep sealed in original packaging.
The local authority regulations for storage of aerosol dispensers are to be observed.

Information on storage with other products

Further information on storage conditions

Protect against heat and direct sunlight.
The storage temperature must not exceed 50 °C.
Keep container in a cool, well-ventilated place.

Storage class

2B

7.3 Specific end use

No information is available.

8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Limit values

CAS No.	Designation	Type	[mg/m ³]	[ppm]	Peak limit	Note
74-98-6	Propane	8 hours	1800	1000	4(II)	DFG

Additional information

National and local legal provisions must be adhered to.

8.2 Limiting and monitoring exposure

Personal protective equipment

General protective and hygiene measures

The usual regulations for handling chemicals needs to be adhered to.
Do not breathe in dust/smoke/mist. Keep away from food, drink and animal feed. Do not smoke, eat or drink while working.

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Avoid contact with the eyes and skin. Wash hands before a break and after finishing work.

Respiratory protection

Respiratory protection in the event of insufficient extraction or prolonged exposure. Briefly filtration device, filter AX/P2, otherwise breathing apparatus with independent air supply.

Hand protection

It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.
Information on glove material [kind/type, thickness, penetration time/wearing period, wetting resistance]: Nitrile, 0.4 mm, 60 min, 480 min. e.g. "Camatril Profi" made by KCL e-mail: Vertrieb@kcl.de.
The type of chemical protection gloves is to be selected according to the concentration and quantity of hazardous materials at the specific workplace.

Eye protection

Tight fitting safety glasses.

Personal protection

Protective workwear.

Limiting and monitoring environmental exposure

Ensure good room ventilation, extraction at the workplace where necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Form	aerosol
Colour	colourless
Odour	characteristic
Steam pressure	8300 hPa 20 °C
Relative density	0.803 g/cm ³ 20 °C
Melting point / Freezing point	- na -
Explosive properties	LEL: 0.7 Vol% UEL: 10.9 Vol%
Self-ignition temperature	- na -

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Ignition point	- na -
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility with	- na -
Ignition temperature	236° C.
Solvent content	25.2 %
Solids content	0.3 %

9.2 Other information

No information is available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information is available.

10.2 Chemical stability

No information is available.

10.3 Possible hazardous reactions

No information is available.

10.4 Conditions to be avoided

Avoid exposure to heat.
Formation of flammable vapour / air mixtures.

10.5 Incompatible materials

No information is available.

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10.6 Dangerous decomposition processes

No decomposition when used as intended.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

	Value/Evaluation	Species	Method	Note
LD50 acute oral	> 5000 mg/kg	Rat		Naphtha
LD50 acute dermal	> 3000 mg/kg	Rabbit		Naphtha
LC50 acute If inhaled	5.53 mg/l (4 h)	Rat		Data refers to the main components.
Skin irritation	not irritating			
Eye irritation	not irritating			
Sensitisation skin	not sensitising			

General comments

The product is to be handled with the care usual when handling chemicals.
Other hazardous characteristics can not be ruled out.

12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

	Value/Evaluation	Species	Method	Note
Fish	LL0 1000 mg/l (96 h)	Oncorhynchus mykiss		Naphtha
Water fleas (daphnia)	EL0 1000 mg/l (48 h)	Daphnia magna		Naphtha
Alge	EL0 1000 mg/l (72 h)	Pseudokirchneriella subcapitata		Naphtha

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12.2 Persistence and degradability

No additional information is available.

12.3 Bio accumulation potential

No additional information is available.

12.4 Mobility in the soil

No additional information is available.

12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

12.6. Other harmful effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazardous to drinking water even if small quantities escape into subsoil.
Do not allow uncontrolled release of the product into the environment.
The product must not enter the ground water or surface water.
The product must not enter any bodies of water or the sewage system or water treatment plants respectively.
The product must not enter water systems.
Hazardous for fish and bacteria.

13. INFORMATION ON DISPOSAL

Recommendation For correct waste disposal, empty the spray completely.

Product Dispose of in accordance with local authority regulations.

Waste code 15 01 10* Packaging which contains residue of hazardous substances or is contaminated by hazardous substances

Waste marked with an asterisk (*) are classed as hazardous waste according to Directive 2008/98/EC on hazardous waste.

Unclean packaging Dispose of in accordance with local authority regulations.

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14. INFORMATION ON TRANSPORT

	ADR/RID	IMDG	IATA-DGR
14.1 UN number	1950	1950	1950
14.2 Proper UN shipping name	COMPRESSED GAS PACKAGING	AEROSOLS	Aerosols, inflammable
14.3 Transport hazard class	2.1	2.1	2.1
14.4 Packaging group	-	-	-
14.5 Environmental hazards	no	no	no

14.6 Special preventive measures for the user

Caution: Gases

14.7 Bulk transport according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code

Not applicable

Transport by land ADR/RID

Danger label 2.1

Tunnel restriction code D

Classification code 5F

Transport as "Limited quantity" as per section 3.4 ADR

15. STATUTORY REGULATIONS

15.1 Regulations on safety, health and environmental protection / specific legal regulations for the material or the mixture

VOC guideline

Note

Daten separat anfragen / Request data separately.

National regulations

Information on employment restrictions

The national laws regarding employment restrictions are to be observed.

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Water hazard class 3 VwVwS Appendix 4
Highly water-polluting

Technical instructions (TA) air

Class III Section NK Proportion 25 - 50 %

Incident ordinance: Incident ordinance, Appendix I: part 1: No. 8 and 9b.

15.2 Chemical safety assessment

A chemical safety assessment for materials in this mixture have not been carried out.

16. OTHER INFORMATION

Recommended use and restrictions

Existing national and local laws regarding chemicals are to be observed.
Nur für den gewerblichen Gebrauch. / For industrial use only.

Further information

The information given is based on our current level of knowledge and serves to describe the product in terms of the safety precautions to be taken. It does not represent an assurance of properties of the product described.

Danish MAL Code 5-3

H222–	Extremely inflammable gas.
H302	Hazardous to health if swallowed.
H304	Can be fatal if swallowed or if it enters the respiratory tract.
H314	Causes serious chemical burns to skin and serious eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Hazardous to health if inhaled.
H400	Extremely toxic for water organisms.
H410	Extremely toxic for water organisms, with long-term effects.