

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

Print date: 02/03/2016

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Revised:22.07.2015

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

## 1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

### 1.1 Product identifier

**Product name** Plastic cleaner Art. No. **151138**  
**Trade name** Plastic cleaner Art. No. **151138**  
**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,  
Skin Irrit. 2 H315  
STOT SE 3 H336  
Aquatic Chronic 2 H411

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## 2.2 Label elements

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



**GHS02**



**GHS07**



**GHS09**

**Signal word:**

Hazard

**Hazard warnings:**

H222	Extremely inflammable aerosol.
H229	Pressurised container: could burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness and dizziness.
H411	Toxic 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.
P264	Wash hands thoroughly after use.
P271	Only use outdoors or in well ventilated rooms.
P273	Avoid releasing into the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IN THE EVENT OF SWALLOWING: Immediately consult POISON CONTROL CENTRE/doctor.
P302 + P352	IN THE EVENT OF SKIN CONTACT: Wash with plenty of water/soap.
P304 + P340	IN THE EVENT OF INHALATION: Move the person into fresh air and ensure they can breathe unrestrictedly.
P312	In the event of feeling unwell, call the POISON CONTROL CENTRE/doctor.
P332 + P313	In the event of skin irritation: Consult a doctor/seek medical attention.
P362	Remove contaminated clothing.

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P403 + P235 Store in a cool, well ventilated place.  
 P405 Keep it locked away.  
 P410 + P412 Protect against direct sunlight and do not expose to temperatures above 50°C.  
 P501 Dispose of content/container as problem waste.

**2.3 Other dangers**

The product has a narcotic effect.

- **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]
Ethanol	200-578-6	64-17-5	3 - 9.99 Flam. Liq. 2, H225
Butane	203-448-7	106-97-8	3 - 9.99 Flam. Gas 1, H220 Compressed gas
Pentane	203-692-4	109-66-0	10 - 24.99 Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411
Naphtha (mineral oil), treated with hydrogen, free of aromatic compounds (Nota P: < 0.1% benzene)	265-151-9	64742-49-0	50 - 74.99 Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Propane	200-827-9	74-98-6	3 - 9.99 Flam. Gas 1, H220 Compressed gas

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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, wash off with soap and water.  
In the event of long-term skin irritation, consult doctor.

###### After swallowing

Do not induce vomiting.  
In the event of swallowing, immediately consult a doctor and show the packaging or label.

###### 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, water mist

###### Unsuitable extinguishing agents

Direct water jet

##### 5.2 Particular risks associated with the material or mixture

No information is available.

##### 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.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**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.

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**

Allow to evaporate.

Dispose of according to regulations.

Absorb residues with suitable liquid-binding materials.

**6.4 References to other sections**

Safe handling: see section 7

Disposal: see section 13

Personal protective equipment: see section 8

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**7. HANDLING AND STORAGE**

**7.1 Safety measures for safe handling**

Information on safe handling

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

Open and handle containers with care!

General protection measures

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

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**Hygiene measures**

Do not smoke, eat, drink or sniff while working.  
Keep away from food and drink.  
Keep separate from foodstuffs and animal feed.  
Wash hands before breaks and after finishing work.

**Information on fire and explosion protection**

Keep away from ignition sources – Do not smoke.  
Do not spray onto flames or incandescent materials.  
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**

Keep away from inflammable substances.

**Further information on storage conditions**

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

**Storage class**

2B

**7.3 Specific end use**

See section 1.2

**8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT**

**8.1 Limit values**

CAS No.	Designation	Type	[mg/m <sup>3</sup> ]	[ppm]	Peak limit	Note
106-97-8	Butane	8 hours	2400	1000	4(II)	DFG
64-17-5	Ethanol	8 hours	960	500	2(II)	DFG, Y
109-66-0	Pentane	8 hours	3000	1000	2(II)	DFG, EU, Y
74-98-6	Propane	8 hours	1800	1000	4(II)	DFG

**Occupational exposure limit values**

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CAS No.	Designation	Type	[mg/m <sup>3</sup> ]	[ppm]	Note
109-66-0	Pentane	8 hours	3000	1000	

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

Respiratory protection

If ventilation is inadequate, wear breathing apparatus. Briefly filtration device, Filter A/P2

Hand protection

Protective gloves (solvent resistant)  
It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.  
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

Sufficient ventilation

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on the basic physical and chemical properties

Form	aerosol
Colour	colourless, clear
Odour	characteristic
Steam pressure	573 hPa 20 °C

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Relative density	0.669 g/cm <sup>3</sup> 20 °C
Melting point / Freezing point	- na -
Explosive properties	LEL: 0.8 vol. % UEL: 15 vol%
Self-ignition temperature	- na -
Ignition point	- na -
Flammability	- na -
Oxidizing properties	- na -
Solubility in water	5 g/l
Ignition temperature	200° C.
Solvent content	100 %
Solids content	- na -

## 9.2 Other information

No information is available.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information 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.

Uncleaned empty containers can contain product gases that form explosive mixtures with air.

### 10.5 Incompatible materials



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No information is available.

### 10.6 Dangerous decomposition processes

No known hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

	Value/Evaluation	Species	Method	Note
LD50 acute oral	> 5840 mg/kg	Rat		Data refers to the main components.
LD50 acute dermal	> 2920 mg/kg	Rabbit		Data refers to the main components.
LC50 acute for inhalation	> 25 mg/l (4 h)	Rat		Data refers to the main components.
Skin irritation	irritant			
Eye irritation	Slight irritant effect - no labelling obligation			
Sensitisation skin	not sensitising			

### Practical experience

Irritating to the respiratory system.  
Frequent and prolonged skin contact can cause irritations.  
Irritates the mucous membranes.  
Inhalation has a narcotic/intoxicating effect.

### 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

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### 12.1 Toxicity

	Value/Evaluation	Species	Method	Note
Fish	LL/EL/IL50 11.4mg/l (96 h)	Oncorhynchus mykiss		CAS: 64742-49-0
Water fleas (daphnia)	NOEC 0.17 mg/l (21 d)	Daphnia magna		CAS: 64742-49-0
Alge	EC50 10.7 mg/l (72 h)	Pseudokirchneriella subcapitata		Pentane

### 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

Hazardous to drinking water even if only a small quantity escapes into the subsoil.

Toxic to fish.

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.

Hazardous for fish and bacteria.

## 13. INFORMATION ON DISPOSAL

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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.

**14. INFORMATION ON TRANSPORT**

	ADR/RID	IMDG	IATA-DGR
<b>14.1 UN number</b>	1950	1950	1950
<b>14.2 Proper UN shipping name</b>	COMPRESSED GAS PACKAGING	AEROSOLS (naphtha (petroleum), pentane)	Aerosols, inflammable
<b>14.3 Transport hazard class</b>	2.1	2.1	2.1
<b>14.4 Packaging group</b>	-	-	-
<b>14.5 Environmental hazards</b>	Yes	Yes	Yes

**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**

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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

VOC content 99.98%  
VOC value 668.9 g/L

#### National regulations:

##### Information on employment restrictions

The national laws regarding employment restrictions are to be observed.

Water hazard class 2 VwVwS Appendix 4  
Water-polluting

#### Technical instructions (TA) air

Class III Figure NK Proportion 75 - 100%

**Incident ordinance:** Incident ordinance, Annex I: Part 1: Nos. 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

National special provisions need to be implemented by each user on their own responsibility!  
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.

Please pay attention to additional information! - Our safety data sheets have been prepared according to the valid EU guidelines WITHOUT taking into consideration any special national regulations regarding handling hazardous materials and chemicals.

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H220	Extremely flammable gas.
H225	Liquid and vapour highly flammable.
H304	Can be fatal if swallowed or if it enters the respiratory tract.
H315	Causes skin irritation.
H336	May cause drowsiness and dizziness.
H411	Toxic for water organisms, with long-term effects.