

**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:21.07.2015

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

1. DESIGNATION OF THE MATERIAL OR MIXTURE AND COMPANY NAME

1.1 Product identifier

Product name Special screen cleaner Art. No. 151151
Trade name Special screen cleaner Art. No. 151151
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,

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2.2 Label elements

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



GHS02

Signal word:

Hazard

Hazard warnings:

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

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.
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

- 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

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3. COMPOSITION / INFORMATION ON COMPONENTS

Constituents	EC No.	CAS No.	Concentrate [% by weight]
Propan-2-ol	200-661-7	67-63-0	1 - 10 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Isobutane	200-857-2	75-28-5	1 - 10 Flam. Gas 1, H220 Compressed gas
Butane	203-448-7	106-97-8	1 - 10 Flam. Gas 1, H220 Compressed gas
Propane	200-827-9	74-98-6	1 - 10 Flam. Gas 1, H220 Compressed gas
Acrylic copolymer		192003-74-0	< 0.5 Aquatic Chronic 2, H411

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 water.

After swallowing

 Rinse mouth thoroughly with water.
 Seek medical attention if symptoms persist.

After eye contact

In the event of contact with the eyes, rinse thoroughly with lots of water. If complaints persist, consult 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.

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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.

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.

Use personal protective clothing.

Keep ignition sources away.

6.2 Environmental protection measures

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

6.3 Methods and material for containment and cleaning

With liquid absorbing material (e.g. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the absorbed material in accordance with the regulations.

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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	Ensure good room ventilation, extraction at the workplace where necessary.
General protection measures	Do not inhale gases / vapours / aerosols. Avoid contact with the eyes.
Hygiene measures	Do not smoke, eat, drink or sniff while working. 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. Pressurised container. Do not force open or incinerate after use Protect from heat and direct sunlight.

7.2 Conditions for safe storage taking incompatibilities into consideration

Storage requirements	The local authority regulations for storage of aerosol dispensers are to be observed.
Information on storage with other products	
Further information on storage conditions	Keep container tightly sealed. Protect against heat and direct sunlight. The storage temperature must not exceed 50 °C. Keep container in a cool, well-ventilated place.
Storage class	

7.3 Specific end use

See section 1.2

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8. LIMITATION AND MONITORING OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Limit values

CAS No.	Designation	Type	[mg/m ³]	[ppm]	Peak limit	Note
106-97-8	Butane	8 hours	2400	1000	4(II)	DFG
75-28-5	Isobutane	8 hours	2400	1000	4(II)	DFG
74-98-6	Propane	8 hours	1800	1000	4(II)	DFG
67-63-0	Propan-2-ol	8 hours	500	200	2(II)	DG,Y

Biological limit values

CAS No.	Designation	Parameters	BLV	Material examined	Time sample taken
67-63-0	Propan-2-ol	Acetone	25 mg/l	B	b
67-63-0	Propan-2-ol	Acetone	25 mg/l	U	b

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

Not required

Hand protection

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Form	aerosol
Colour	white
Odour	characteristic
Steam pressure	4200 hPa 20 °C
Relative density	0.92 g/cm ³ 20 °C
Melting point / Freezing point	- na -
Explosive properties	- na -
Self-ignition temperature	- na -
Ignition point	- na -
Flammability	- na -
Oxidizing properties	- na -
Solubility in / miscibility with	- na -
Ignition temperature	365° C.
Solvent content	- na -
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.
Formation of explosive gas mixtures with air.

10.5 Incompatible materials

No information is available.

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
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.

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12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

No information is available.

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

Do not allow uncontrolled release of the product into the environment.
The product must not enter water systems.

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 04 Packaging made of metal
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 1 VwVwS Appendix 4
Water-polluting

Technical instructions (TA) air

Class III Figure NK Proportion 17.2 %

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.

H220 Extremely inflammable gas.
H225 Liquid and vapour highly inflammable.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H411 Toxic for water organisms, with long-term effects.