

**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** Multi-Foam Art. No. **151152**  
**Trade name** Multi-Foam Art. No. **151152**  
**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**

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## 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,  
Eye Irrit. 2                    H319

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## 2.2 Label elements

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



**GHS02**



**GHS07**

**Signal word:**

Hazard

**Hazard warnings:**

H222 Extremely inflammable aerosol.  
H229 Pressurised container: could burst if heated.  
H319 Causes serious eye irritation.

**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.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305 + P351 + P338 IN THE EVENT OF CONTACT WITH THE EYES: Rinse carefully with water for several minutes. Remove any contact lenses being worn if possible. Continue rinsing.  
P337 + P313 In the event of sustained eye irritation: Consult a doctor/seek medical attention.  
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.

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- **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]
Propan-2-ol	200-661-7	67-63-0	10 - 15 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Isobutane	200-857-9	75-28-5	2.5 - 10 Flam. Gas 1, H220 Compressed gas
Propane	200-827-9	74-98-6	2.5 - 10 Flam. Gas 1, H220 Compressed gas

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General information

Remove dirty, saturated clothing immediately.

##### After inhaling

Move the affected person into the fresh air and place in a resting position.  
In the event of complaints, seek medical assistance.

##### After skin contact

In the event of skin contact, wash 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. If complaints persist, consult doctor.

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

No information is available.

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#### 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** foam, extinguishing powder, carbon dioxide

**Unsuitable extinguishing agents** Direct water jet

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

Formation of explosive/highly flammable vapour-air mixtures is possible.  
Danger of bursting.  
In the event of a fire, it is possible that hazardous gases may be formed.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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

### 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.

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## 6.2 Environmental protection measures

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

## 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.
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.
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. Together with air, vapours can form an explosive mixture. Take measures to protect against electrostatic charges.

### 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

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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

**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
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)	DFG,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

**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

Breathing apparatus in the event that aerosol or mist are formed.  
 Briefly filtration device, Filter AX

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Hand protection	When handling chemical agents, you should only wear chemical protection gloves with a CE marking including a four-digit inspection number. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.
Eye protection	Tight fitting safety glasses
Personal protection	Protective workwear
Limiting and monitoring environmental exposure	Sufficient venting and ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form	aerosol
Colour	colourless
Odour	fruity
Steam pressure	approx. 5 bar 20 °C
Relative density	0.9 g/cm <sup>3</sup> 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	> 200° C.
Solvent content	23.1 %

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Solids content - na -

## 9.2 Other information

No information is available.

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## 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 known hazardous reactions.

### 10.4 Conditions to be avoided

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

### 10.5 Incompatible materials

No information is available.

### 10.6 Dangerous decomposition processes

Carbon monoxide and carbon dioxide  
Aldehydes

### Thermal decomposition

No decomposition when used as intended.



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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

	<b>Value/Evaluation</b>	<b>Species</b>	<b>Method</b>	<b>Note</b>
LD50 acute oral	5045 mg/kg	Rat		Data refers to the main components.
LD50 acute dermal	12,800 mg/kg	Rabbit		Data refers to main components.
LC50 acute for inhalation	20 mg/l (4h)	Rat		Propane
Skin irritation	irritant			
Eye irritation	not irritating			
Sensitisation skin	not sensitising			

#### Practical experience

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

### 12.1 Toxicity

No information is available.

### 12.2 Persistence and degradability

No information is available.

### 12.3 Bio accumulation potential

No information is available.

### 12.4 Mobility in the soil

No information is available.

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### 12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

### 12.6. Other harmful effects

Ecological data is not available.  
 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  
 16 05 04\* hazardous materials containing gases in pressurised containers (including halons)

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	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>	no	no	no

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#### 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

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### 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.

Water hazard class      1      VwVwS Appendix 4  
Water-polluting

**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.

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## 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.

H220	Extremely flammable gas.
H225	Liquid and vapour highly flammable.
H319	Causes serious eye irritation.
H336	May cause drowsiness and dizziness.