

No. 1907/2006 (REACH)
Printed 21.12.2018

revision 21.12.2018 (GB) Version 8.4

RIEGLER Bio-Cut / 400 ml

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product RIEGLER Bio-Cut / 400 ml

Code-Nr. R3210/400 / ID-Nr. 114568

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended intended purpose(s)

**Technical Aerosols** 

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor RIEGLER & Co. KG

Schützenstr. 27, D-72574 Bad Urach

Phone: +49 (0) 7125/9497-0, Fax: +49 (0) 7125/9497-97

E-Mail : zedok@riegler.de Internet : www.riegler.de

Advice Abteilung eDocumentation

Phone : +49 (0) 7125/9497-0 Fax : +49 (0) 7125/9497-97 E-mail (competent person):

zedok@riegler.de

1.4. Emergency telephone number

Emergency advice Giftnotrufzentrale Bonn

Phone : +49(0)228-19 240

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard

Hazard Statements Classification procedure

categories

Aerosol 1 H222, H229

**Hazard Statements** 

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02

Signal word

Danger

**Hazard Statements** 

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



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### **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.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.

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

P501 Dispose of contents/container to hazardous or special waste collection point.

#### 2.3. Other hazards

Product has an anesthetic effect.

### Information pertaining to special dangers for human and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

#### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## ! SECTION 3: Composition/ information on ingredients

#### 3.1. Substances

not applicable

## 3.2. Mixtures

#### Description

Cutting oil.

# ! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]		
74-98-6	200-827-9	propane	10 - 15	Flam. Gas 1, H220 / Press. Gas		
106-97-8	203-448-7	Butan (1,3 Butadiene <0,1%)	10 - 15	Flam. Gas 1, H220 / Press. Gas, H280		
REACH						
CAS No	Name			REACH registration number		
74-98-6	propane		01-2119486944-21			
106-97-8	Butan (1,3 Bı	utadiene <0,1%)	01-2119474691-32			

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

#### **General information**

Remove contaminated soaked clothing immediately.

## In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

### In case of skin contact

In case of contact with skin wash off with water.

Consult a doctor if skin irritation persists.

### In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.



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#### In case of ingestion

Call for a doctor immediately.

Rinse out mouth thoroughly with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

## 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

## **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

### Unsuitable extinguishing media

Full water jet

# 5.2. Special hazards arising from the substance or mixture

Danger of bursting

In case of fire formation of dangerous gases possible.

### 5.3. Advice for firefighters

## Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

### **Additional information**

Cool endangered containers with water spray jet.

# **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

### 6.4. Reference to other sections

Safe handling: see section 7 Disposal: see section 13

Personal protection equipment: see section 8



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# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### Advice on safe handling

Ventilate closed rooms at ground level.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

### General protective measures

Do not inhale dust/fumes/aerosols.

#### Hygiene measures

At work do not eat, drink, smoke or take drugs.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Do not spray on a naked flame or any incandescent material.

Pressurized container.

Do not pierce or burn even after use.

Protect from heat and sunlight.

## 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

### Further information on storage conditions

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Store container at cool and aired place.

# 7.3. Specific end use(s)

# Recommendation(s) for intended use

See section 1.2

# ! SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	

### ! Additional advice

The statutory local and national regulations have to be observed.

# 8.2. Exposure controls

### Respiratory protection

If ventilation insufficient, wear respiratory protection.

## **Hand protection**

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min

### Eye protection

tightly fitting goggles



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Other protection measures

protective clothing

Appropriate engineering controls

Sufficient ventilation and exhaustion.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

AppearanceColourOdouraerosolcolourlesscharacteristic

Odour threshold not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling point	not applicable				
Melting point / Freezing point	not determined				
Flash point	not applicable				Aerosol
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	> 250 °C				
Self ignition temperature	not determined				
Lower explosion limit	0,6 Vol-%				
Upper explosion limit	not determined				
Vapour pressure	3,5 bar	20 °C			Doseninnendruck
Relative density	0,72 g/ml	20 °C			calculated
Vapour density	not determined				
Solubility in water					difficult to dissolve
Solubility/other	not determined				
Partition coefficient n- octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				



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Value Temperature at Method Remark

Viscosity not determined

## **Oxidising properties**

No information available.

## **Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixtures can be generated.

#### 9.2. Other information

No information available.

# ! SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No information available.

#### 10.4. Conditions to avoid

Keep away from heat.

Formation of explosive gas/air mixtures.

# 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

## Thermal decomposition

Remark No decomposition if used as directed.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

### **Experiences made from practice**

Inhalation causes narcotic effect/intoxication.

### Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

# **SECTION 12: Ecological information**

### 12.1. Toxicity

No information available.

## 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential



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No information available.

### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

### **General regulation**

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste code No.

Name of waste

15 01 10\*

packaging containing residues of or contaminated by hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

### Recommendations for the product

Remove in accordance with local official regulations.

### Recommendations for packaging

Totally emptied packaging may be treated as household waste.

#### **General information**

For proper waste disposal a complete emptying of the tin is necessary.

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

# **SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

# 14.6. Special precautions for user

Caution: Gases

# 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### Land and inland navigation transport ADR/RID

Hazard label(s) 2.1 tunnel restriction code D

Classification code 5F

transport in "limited quantities" according to 3.4 ADR is possible



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# ! SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

! VOC standard

 VOC content
 24 %

 VOC value
 186,8 g/L

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**

#### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

#### **Further information**

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EUdirectives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.3

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.