

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MECUTFOAM Art.-Nr. 601152

Revision date: 01.07.2019

Product code: 242SP

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Cutting oil

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheetCompany name: Karnasch Professional
Tools GmbH

Street: Siemensstr. 1

Place: D-68542 Heddesheim

Telephone: +49 (0) 62 03 / 40 39 - 0

Telefax: +49 (0)6203 4159 - 0

e-mail:

Internet:

Responsible Department:

Sascha Karnasch Tel: 06203 / 4039 - 0

Michael Karnasch Tel: 033675 / 7265 - 0

Further Information

Art.-Nr.:084225 400

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Keep away from sources of ignition - No smoking.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

@1501.B015712

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkylpolyglycolethercarbonic acid (CAS: 57635-48-0)

Signal word: Danger

Pictograms:

**Hazard statements**

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

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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.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410 Protect from sunlight.
P412 Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to hazardous or special waste.

Special labelling of certain mixtures

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Additional advice on labelling

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
57-55-6	1,2-Propylenglykol1,2-Propylenglykol			20 - < 25 %
	200-338-0		01-2119456809-23	
115-10-6	dimethyl ether			15 - < 20 %
	204-065-8	603-019-00-8	01-2119472128-37	
	Flam. Gas 1; H220			
	Fettsäure, ethoxyliert			5 - < 10 %
57635-48-0	Alkylpolyglykolethercarbonsäure (Polymer)			2.5 - < 5 %
	611-563-2			
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
102-71-6	Triethanolamin			1 - < 2.5 %
	203-049-8		01-2119486482-31	
107-41-5	2-methylpentane-2,4-diol			1 - < 2.5 %
	203-489-0	603-053-00-3	01-2119539582-35	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
110-97-4	1,1'-iminodipropion-2-ol, di-isopropanolamine			1 - < 2.5 %
	203-820-9	603-083-00-7	01-2119475444-34	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Move victim to fresh air. Put victim at rest and keep warm. Do not leave affected person unattended.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

Generally the product does not irritate the skin.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

No data available

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

Treat symptomatically.

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SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Extinguishing powder. Atomized water.
Use alcohol resistant foam. for extinction.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

@0505.B005085

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. High slip hazard because of leaking or spilled product. Avoid contact with skin and eyes.
Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Provide adequate ventilation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Handle and open container with care. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Remove all sources of ignition. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.
storage temperature: 15 - 35 °C, Do not store at temperatures over: 50 °C
Official regulations for the storage of compressed gas containers are to be observed

Hints on joint storage

Do not store together with: Oxidizing agents.
Maximum period of storage (time): 2 years

Further information on storage conditions

Store in a cool dry place. Protect from sunlight. Store in a well-ventilated place. Protect against: heat.

7.3. Specific end use(s)

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No data available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-41-5	2-Methylpentane-2,4-diol	25	123		TWA (8 h)	WEL
		25	123		STEL (15 min)	WEL
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

8.2. Exposure controls
Protective and hygiene measures

Wash hands before breaks and after work. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Eye/face protection

@1501.B015782

Hand protection

 Tested protective gloves are to be worn: Nitrile. EN ISO 374
 Thickness of glove material: > 480 min / 0,4mm

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

 Physical state: Aerosol
 Colour: light yellow
 Odour: characteristic

Test method

pH-Value (at 20 °C): 7-8

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: -24 °C

Flash point: not applicable

Lower explosion limits: 2,6 vol. %

Upper explosion limits: 18,6 vol. %

Ignition temperature: 235 °C

Oxidizing properties

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Danger of bursting container.

 Vapour pressure: 3500-5000 hPa
 (at 20 °C)

 Density (at 20 °C): 0,965 g/cm³ DIN 55990

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Water solubility:

completely miscible

9.2. Other information

Vapours are heavier than air and will spread at floor level.

SECTION 10: Stability and reactivity**10.2. Chemical stability**

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

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Danger of bursting container.

Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Avoid contact with oxidizing agents

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic.

Further information

storage stability: min. 2 years

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol				
	oral	LD50 >22000 mg/kg	Ratte		
	dermal	LD50 >2001 mg/kg	Rabbit		
	Fettsäure, ethoxyliert				
	oral	LD50 >2000 mg/kg	RAT		
57635-48-0	Alkylpolyglykolethercarbonsäure (Polymer)				
	oral	LD50 >2000 mg/kg	Ratte		
102-71-6	Triethanolamin				
	oral	LD50 5530 mg/kg	RAT		
	dermal	LD50 > 2000 mg/kg	RABBIT		
107-41-5	2-methylpentane-2,4-diol				
	oral	LD50 3700 mg/kg	Rat		
	dermal	LD50 8000 mg/kg	Rabbit		
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine				
	oral	LD50 4765 mg/kg	Rat		

Irritation and corrosivity

Irritant effect on the skin: mild irritant. Identification is not obligatory. Please observe the information on the safety data sheet at all times.

Irritant effect on the eye: mild irritant.

SECTION 12: Ecological information
12.1. Toxicity

Harmful to fish.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol					
	Acute fish toxicity	LC50 mg/l	40613	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50 mg/l	18800	48 h	Mysidopsis bahia	
	Fettsäure, ethoxyliert					
	Acute fish toxicity	LC50	86 mg/l	96 h	Goldorfe	DIN 38412 T.15
57635-48-0	Alkylpolyglykolethercarbonsäure (Polymer)					
	Acute fish toxicity	LC50	9,1 mg/l	96 h	Zebraabfänger	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 200	72 h	Grünalge	OECD 201
	Acute crustacea toxicity	EC50 mg/l	28,2	48 h	Großer Wasserfloh	OECD 202
	Acute bacteria toxicity	(620 mg/l)			Belebtschlamm	OECD 209
102-71-6	Triethanolamin					
	Acute fish toxicity	LC50 mg/l	11800	96 h	Pimephales Promelas	
	Acute crustacea toxicity	EC50 mg/l	2038	48 h	Großer Wasserfloh	24h
107-41-5	2-methylpentane-2,4-diol					
	Acute fish toxicity	LC50 mg/l	8510	96 h	Gambusia affinis	
	Acute crustacea toxicity	EC50 mg/l	3200	48 h	Daphnia magna	
110-97-4	1,1'-iminodipropan-2-ol, di-isopropanolamine					
	Acute fish toxicity	LC50	> 1000- 2200 mg/l	96 h	Leuciscus idus	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
57-55-6	1,2-Propylenglykol 1,2-Propylenglykol			
	CO2-Entwicklung OECD 301 F	81 %		
	Fettsäure, ethoxyliert			
	OECD 301 E	95 %	28	
	leicht biologisch abbaubar			
57635-48-0	Alkylpolyglykolethercarbonsäure (Polymer)			
	OECD 301 E	73 %	28	
	leicht biologisch abbaubar			
107-41-5	2-methylpentane-2,4-diol			
	DOC gelöster org. Kohlenstoff	95%	28	

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
102-71-6	Triethanolamin	-2,53
107-41-5	2-methylpentane-2,4-diol	0,58
110-97-4	1,1'-iminodipropen-2-ol, di-isopropanolamine	-0,82

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Do not allow to enter into surface water or drains. @1207.B120783

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Water. Water (with cleaning agent). Dispose of this material and its container to hazardous or special waste collection point.

SECTION 14: Transport information
Land transport (ADR/RID)
14.1. UN number:

UN1950

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es):

2

Hazard label:

2.1



Classification code:

5F

Special Provisions:

190 327 344 625

Limited quantity:

1 L

Transport category:

2

Tunnel restriction code:

D

Other applicable information (land transport)

Special provisions: 190 - 327 - 625

E0

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Transport category: 2

Tunnel restriction code: D

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2, see SP63

Marine pollutant: •
 Limited quantity: See SP277
 EmS: F-D, S-U

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
 Hazard label: 2.1



Limited quantity Passenger: 30 kg G
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

E0
 : Y203
 150 kg

14.6. Special precautions for user

Personal protection equipment: see section 8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: 2-methylpentane-2,4-diol
 Entry 40: dimethyl ether

2004/42/EC (VOC): 38,4% (373 g/L)

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National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D):

1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Alkylpolyglykoethercarbonsäure (Polymer)

Triethanolamin

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,4.

Relevant H and EUH statements (number and full text)

- | | |
|------|---------------------------------------------|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)