

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Guepo®flex Leek Seeker Art. 301

Revision date: 22.05.2018

Product code: G301

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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**

Leak test of pressurized installations

1.3. Details of the supplier of the safety data sheet

Company name:	Guepo GmbH	
Street:	Siemensstr. 13	
Place:	D-77694 Kehl	
Telephone:	+49-7851-99477-0	Telefax: +49-7851-99477-77
e-mail:	email @guepo.de	
Contact person:	Manfred Schmitt-Bormann	
e-mail:	manfred.schmitt-bormann@guepo.de	
Internet:	www.guepo.de	

1.4. Emergency telephone number: +49-170-5582282**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 3

Hazard Statements:

Pressurised container: May burst if heated.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Hazard statements**

H229 Pressurised container: May burst if heated.

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.

P251 Do not pierce or burn, even after use.

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

2.3. Other hazards

No information available.

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

Foaming Agent according to EB 14291

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
137-16-6	Sodium N-laurylsarcosinate			<1 %
	205-281-5		01-2119527780-39	
	Acute Tox. 2, Skin Corr. 1B, Eye Dam. 1; H330 H314 H318			

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

Further Information

Aerosol propellants: Dinitrogen monoxide (laughing gas)

Please note the expiry date: 5 years

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of 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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Contains: Dinitrogen monoxide (laughing gas)

Reacts with : Substances containing active hydrogen (e.g. NH_x-, OH-, SH- groups)

Reacts with : Substances containing active hydrogen (e.g. NH_x-, OH-, SH- groups)

In case of fire may be liberated: Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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

Avoid contact with eyes.

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Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with eyes. Do not breathe gas/fumes/vapour/spray.

Do not pierce or burn, even after use.

Advice on protection against fire and explosion

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Do not store at temperatures over: 50 °C.

Keep only in the original container in a cool, well-ventilated place. Protect against: frost. Keep container tightly closed.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Do not store at temperatures below: 0 °C

Do not store at temperatures over: 50 °C

7.3. Specific end use(s)

Leak test of pressureized installations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
10024-97-2	Nitrous oxide	100	183		TWA (8 h)	WEL

Additional advice on limit values

DNEL/DMEL and PNEC values: not relevant.

Risk management measures according to used control banding approach: To date, none have been determined.

8.2. Exposure controls



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Appropriate engineering controls

Work in well-ventilated zones or use proper respiratory protection.

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Framed glasses.

Hand protection

By long-term hand contact: Hand protection. Suitable material: NBR (Nitrile rubber).

Skin protection

working clothes

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. 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:	colourless	
Odour:	characteristic	
pH-Value:		7

Changes in the physical state

Melting point:	ca. 0 °C
Initial boiling point and boiling range:	ca. 100 °C
Flash point:	> 63 °C

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

not Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapour pressure: (at 0 °C)	(Active agent) 6,1 hPa
Vapour pressure: (at 20 °C)	(Active agent) 23 hPa

Density:	1 g/cm ³
Water solubility:	easily soluble

Solubility in other solvents

not determined

Partition coefficient:	not determined
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Viscosity / dynamic: 1,0 mPa·s
(at 20 °C)

Vapour density: (1,013 bar) 0,631
(at 100 °C)

Evaporation rate: not determined

9.2. Other information

Surface tension < 30 mN/m

Note: Most physical properties above are for the oil component in the material.

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

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

Protect against: frost.

10.5. Incompatible materials

Oxidizing agents, strong. Reacts with : Alkali metals, Alkaline earth metal,

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
137-16-6	Sodium N-laurylsarcosinate				
	oral	LD50 >5000 mg/kg	Rat		OECD 401
	inhalation vapour	ATE 0,5 mg/l			
	inhalation (4 h) aerosol	LC50 0,1 mg/l	Rat		OECD 403

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

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Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

Toxicologically harmless according to EN 14291.

SECTION 12: Ecological information

12.1. Toxicity

According to the present state of knowledge negative ecological effects are not expected.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
137-16-6	Sodium N-laurylsarcosinate					
	Acute fish toxicity	LC50	107 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203

12.2. Persistence and degradability

Product is biodegradable.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
137-16-6	Sodium N-laurylsarcosinate				
	ISO 14593	82%	28		
	Readily biodegradable (according to OECD criteria).				

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
137-16-6	Sodium N-laurylsarcosinate	0,37

12.4. Mobility in soil

The product has not been tested.

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

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Advice on disposal**

Dispose of waste according to applicable legislation.

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

Completely emptied packages can be recycled.

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SECTION 14: Transport information

Land transport (ADR/RID)

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: 2.2

Classification code: 5A
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 3
 Tunnel restriction code: E

Inland waterways transport (ADN)

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: 2.2

Classification code: 5A
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
 Hazard label: 2.2

Special Provisions: 63, 190, 277, 327, 344, 381, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, non-flammable
14.3. Transport hazard class(es): 2.2

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14.4. Packing group: -
 Hazard label: 2.2

Special Provisions:	A98 A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

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

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC
 Aerosol directive (75/324/EEC).

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
 Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,5,6,7,8,9,10,11,12,14,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H229	Pressurised container: May burst if heated.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.

Further Information

DIN DVGW Reg.Nummer NG-5170AS0158. Certified and tested in accordance to EN 14291.
Type-examination and annual monitoring examinations by Engler-Bunte-Institut, KIT Karlsruhe.
Customs Tariff Number: 3402 2020
National inventories: not listed

Technical information:

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