

Safety data sheet

according to 1907/2006/EC, Article 31

print: 24.10.2022

rev n°: 2 (replaces version 2)

Revision date: 24.10.2022

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

1.1 Product identifier

Trade name: LINK

kind of formulation: Microemulsion (ME)

Article number: not applicable

Registration number REACH Not applicable.

UFI: 4A8E-CVRP-A20H-EP65

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

Application of the substance / the mixture Agricultural chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SIPCAM OXON S.p.A. - Registered Office: Via Carroccio, 8 - 20123 Milano - Italy

Production Site: Via Vittorio Veneto, 81 - 26857 Salerano sul Lambro (LO) - Italy

TEL.: +39 0371 5961

1.4 Emergency telephone number:

Emergency phone: +39 02 353781 (8.00-17.00)

For any questions regarding this MSDS please contact:

msds@sipcam.com

Refer to section 16 for Poison Centres.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008



Flam. Liq. 3 H226 Flammable liquid and vapour.



Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Eucalyptus globulus, extract

zinc chloride

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Hazard statements

H226 Flammable liquid and vapour.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing mist/vapors/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P391 Collect spillage.
 P501 Dispose of contents/container in accordance to national regulations.

Additional information:

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions:

Dangerous components:

N° CAS	Designation	R-Phrases	%
CAS: 84625-32-1 EINECS: 283-406-2 Reg.nr.: 01-2119978250-37-0000	Eucalyptus globulus, extract	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; ⚠ Skin Sens. 1, H317	≥10-<25%
CAS: 68439-57-6 EINECS: 270-407-8 Reg.nr.: 01-2119513401-57	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	10%
CAS: 77-92-9 EINECS: 201-069-1 Index number: 607-750-00-3 Reg.nr.: 01-2119457026-42	citric acid	⚠ Eye Irrit. 2, H319; STOT SE 3, H335	≥2.5-<10%
CAS: 7646-85-7 EINECS: 231-592-0 Index number: 030-003-00-2	zinc chloride	⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	≥5-<10%

Additional information

Factor M=1, unless otherwise stated.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**General information**

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

After inhalation

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact Instantly wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Call a doctor immediately.

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Rinse out mouth without swallowing, do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

Danger Danger of aspiration pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

Seek the advice of a Poison Control Centre

Treat symptomatically and supportively

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Extinguishing powder A/B/C, water haze, CO₂, foam, sand.

For safety reasons unsuitable extinguishing agents Avoid full water jet.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear protective clothing conforming to European Standard EN 469.

Put on breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep people at a distance and stay on the windward side.

Keep away from ignition sources

Wear protective clothing.

6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Wear personal protective equipments (PPE).

The usual precautionary measures for handling chemicals shall be observed.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Handling

Avoid contact with the skin and vapour inhalation; do not eat, drink nor smoke while working.

Avoid direct or indirect contact with the product. Do not eat, drink or smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store in a cool and ventilated place, away from heat source and direct sunlight without open sewage system.

Keep out the reach of children, unauthorized persons and animals. Keep away from food, drink and animal feedingstuffs.

Requirements to be met by storerooms and containers: Store only in the original container.

Information about storage in one common storage facility:

Prevent storage with incompatible materials (see chapter 10).

Store away from foodstuffs.

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Further information about storage conditions: Keep container tightly sealed.
Storage class 3
7.3 Specific end use(s) Agriculture

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

CAS: 7646-85-7 zinc chloride

WEL	Short-term value: 2 mg/m ³
	Long-term value: 1 mg/m ³

DNELs No further information available.

PNECs No further information available.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Provide a proper ventilation, especially for indoor workplaces.

Eye wash stations shall be available in the work area.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals shall be observed.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Breathing equipment:

Use breathing protection in case of insufficient ventilation (according to applicable European Standard).

Hand protection



Protective gloves against chemicals and micro-organisms in accordance with EN 374

Protective gloves (rubber or plastic).

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye/face protection



Tightly sealed safety glasses in accordance with EN 166.

Body protection: Protective work clothing.

Boots Safety footwear for professional use in accordance with EN 345.

Environmental exposure controls

Waste waters from equipment cleaning shall be disposed according to local and national regulation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:

Colourless

Odour:

Characteristic

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

Not determined

Flammability

Not applicable.

Flash point:

45 °C

Self-flammability:

Product is not selfigniting.

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Decomposition temperature:	Not determined.
pH (undiluted sample)	
Viscosity:	
Kinematic viscosity at 20 °C	29.7 mm ² /s
dynamic:	Not determined.
Solubility	
Water:	Dispersible
Partition coefficient n-octanol/water (log value)	Not determined.
Density and/or relative density	
Density at 20 °C	1.05 g/cm ³

9.2 Other information**Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Ignition temperature:**

Not determined

Explosive properties:

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Change in condition**Softening point/range****Oxidising properties**

Not an oxidiser

Information with regard to physical hazard classes**Explosives**

Void

Flammable gases

Void

Aerosols

Void

Oxidising gases

Void

Gases under pressure

Void

Flammable liquids**Flammable liquid and vapour.****Flammable solids**

Void

Self-reactive substances and mixtures

Void

Pyrophoric liquids

Void

Pyrophoric solids

Void

Self-heating substances and mixtures

Void

Substances and mixtures, which emit flammable gases in**contact with water**

Void

Oxidising liquids

Void

Oxidising solids

Void

Organic peroxides

Void

Corrosive to metals

Void

Desensitised explosives

Void

SECTION 10: Stability and reactivity**10.1 Reactivity** The product is not reactive under recommended handling conditions.**10.2 Chemical stability** Stable under the recommended handling and storage conditions (see section 7).**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions are known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** None in standard storage conditions.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:****CAS:** 77-92-9 citric acid

Oral	LD50	5,400 mg/kg (mice)
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Dermal	LD50	3,000 mg/kg (rat)
		2,700 mg/kg (mice) subcutaneous
		5,500 mg/kg (rat) subcutaneous

CAS: 7646-85-7 zinc chloride

Oral	LD50	350 mg/kg (rat)
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NOEL (no observable effect level)**CAS: 77-92-9 citric acid**

Oral	NOAEL (2y)	1,200 mg/kg bw/d (rat)
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Skin corrosion/irritation

Causes severe skin burns and eye damage.

Skin corrosion / irritation - Test**CAS: 77-92-9 citric acid**

Irritation of skin	Skin corrosion	(rabbit) (72 h)
		Mild irritant

Serious eye damage/irritation

Causes serious eye damage.

Serious eye damage / Irritation - Test**CAS: 77-92-9 citric acid**

Irritation of eyes	Eye Irritation	(rabbit) (72 h)
		Severe irritation

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure**

May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Other information:** For symptoms and effects see section 4.**Additional toxicological information:****Acute effects (acute toxicity, irritation and corrosivity)** No further information available.**CMR effects (cancerogenity, mutagenicity and toxicity for reproduction)** No relevant information available.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:**

CAS: 77-92-9 citric acid	
EC50 (72h)	120 mg/l (Daphnia magna)
LC50 (96h)	440-760 mg/l (leuciscus idus)
EC50	>10,000 mg/l (bacteria) (16h - Pseudomonas putida)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential****CAS: 77-92-9 citric acid**

Octanol / Water partition coefficient	≤1.72
BCF - Bioconcentration factor	0.01

12.4 Mobility in soil No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** None of the ingredients meets the classification requirements.**vPvB:** None of the ingredients meets the classification requirements.**12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

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12.7 Other adverse effects No further relevant information available.

Remark: Toxic for fish

Additional ecological information:
General notes:

Danger to drinking water if even small quantities leak into soil.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods



Disposal according to national regulations.

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings: Dispose empty packagings according to current regulations.

SECTION 14: Transport information

14.1 UN number or ID number
 ADR/RID/ADN, IMDG, IATA

UN2924

14.2 UN proper shipping name
 ADR/RID/ADN

2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Eucalyptus globulus, extract), ENVIRONMENTALLY HAZARDOUS

IMDG

FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Eucalyptus globulus, extract), MARINE POLLUTANT

IATA

FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Eucalyptus globulus, extract)

14.3 Transport hazard class(es)

ADR/RID/ADN


Class
Label

 3 (FC) Flammable liquids.
 3+8

IMDG

Class
Label

 3 Flammable liquids.
 3/8

IATA

Class
Label

 3 Flammable liquids.
 3 (8)

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

III

14.5 Environmental hazards:
Marine pollutant:

Symbol (fish and tree)

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Trade name: *LINK*

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Special marking (ADR/RID/ADN):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Kemler Number:	38
EMS Number:	F-E,S-C
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
Remarks:	Transport in Limited Quantities only in suitable packaging.
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (EUCALYPTUS GLOBULUS, EXTRACT), 3 (8), III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I Not applicable

Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

In case of emergency, contact your local Poison Centre through Global Health Observatory data on

http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

A list of European Poison Centres is available on http://ec.europa.eu/growth/sectors/chemicals/poison-centres/index_en.htm

Contact:

Product safety department

SIPCAM OXON

H statements of components:

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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*H411 Toxic to aquatic life with long lasting effects.***Abbreviations and acronyms:***EC 50: Effective concentration, 50 percent**ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2***Sources**

Document prepared on data provided by EC Regulation 1107/2009 (plant protection products) and in accordance with EC Regulation 830/2015.

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