

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 20.07.2021 (GB) Version 1.1

ZINK-SPRAY

004543



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

1.1. Product identifier

Name of product ZINK-SPRAY
Art-Nr 004543
UFI: Q1KD-JOFH-F00R-YSFG

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

Identified uses

Product categories [PC]

PC24 - Lubricants, greases, release products

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor EUROLUB GmbH
Freisingerstraße 25-27, D-85386 Eching b. München
Phone +49 8165 9591-0, Fax +49 8165 9591-210
E-Mail info@eurolub.com
Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice
Phone +49 8165 9591-0
This number is only available at office times.

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 categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H336	
STOT RE 2	H373	
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

Hazard statements for physical hazards

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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



GHS02



GHS07



GHS08



GHS09

Signal word

Danger

Hazard statements for physical hazards

H222 Extremely flammable aerosol.
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Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
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H373 May cause damage to organs through prolonged or repeated exposure.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

General

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Prevention

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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor/if you feel unwell.
P391 Collect spillage.

Storage

P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents / container in accordance with local regulations.

Hazardous ingredients for labelling

acetone, ethylbenzene, Hydrocarbons, C9, aromatics, xylene

2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
67-64-1	200-662-2	acetone	10 - 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
74-98-6	200-827-9	propane	10 - 20	Flam. Gas 1, H220 / Press. Gas
75-28-5	200-857-2	isobutane	10 - 20	Flam. Gas 1, H220 / Press. Gas
100-41-4	202-849-4	ethylbenzene	1 - 2,5	Flam. Liq. 2, H225 / Acute Tox. 4, H332 / STOT RE 2, H373 (hearing organs) / Asp. Tox. 1, H304
106-97-8	203-448-7	butane	2,5 - 5	Flam. Gas 1, H220 / Press. Gas
7440-66-6	231-175-3	zinc powder - zinc dust (stabilised)	10 - 20	Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
1330-20-7	215-535-7	xylene	10 - 20	Flam. Liq. 3, H226 / Acute Tox. 4, H332 / Acute Tox. 4, H312 / Skin Irrit. 2, H315
	918-668-5	Hydrocarbons, C9, aromatics	5 - 10	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335 / STOT SE 3, H336 / Aquatic Chronic 2, H411

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.

In the event of persistent symptoms receive medical treatment.

Take affected person into fresh air.

In case of stronger and long effects, specially on skin and respiratory tract, medical treatment is necessary.

In case of inhalation

Ensure of fresh air.

If intensive inhalation of fumes seek medical treatment immediately.

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.

In case of ingestion

Do not induce vomiting.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

No information available.

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

Treatment (Advice to doctor)

Treat symptoms.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Unsuitable extinguishing media

water

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

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.

For emergency responders

Remove persons to safety.

Use personal protective clothing.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

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. general-purpose binder).

Additional Information

Informations for personal protective equipment see chapter 8.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

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

General protective measures

Do not inhale gases/vapours/aerosols.

Avoid contact with the eyes.

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Hygiene measures

Clean skin thoroughly after working.
At work do not eat, drink and smoke.
Remove soaked clothing immediately.

Advice on protection against fire and explosion

The product is combustible.
Vapours can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Store at cool and aired place and at distance to acids, alkalies and combustible materials.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 2B

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
100-41-4	ethylbenzene	8 hours	442	100	skin
		Short-term	884	200	
1330-20-7	xylene, mixed isomers, pure	8 hours	221	50	skin
		Short-term	442	100	
67-64-1	acetone	8 hours	1210	500	

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
67-64-1	acetone	Aceton	80 mg/l	U	b
100-41-4	ethylbenzene	Mandelsäure plus Phenylglyoxylsäure	250 mg/g Kreatinin	U	b
110-54-3	Hexan (n-Hexan)	2,5-Hexandion plus 4,5- Dihydroxy-2-hexanon (nach Hydrolyse)	5 mg/l	U	b
1330-20-7	xylene	Methylhippur-(Tolur-) säure (alle Isomere)	2000 mg/l	U	b

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Hand protection

Gloves (solvent-resistant)

Eye protection

safety goggles with side protection

Other protection measures

Solvent-resistant protective clothing

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

aerosol

Colour

grey

Odour

solvent-like

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
starts to boil	< 0 °C				
Melting point / Freezing point	not determined				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	> 200 °C				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	0,927 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				
Solvent content	66,5 %				

Oxidising properties

No information available.

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Explosive properties

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Ignition hazard

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Ignition hazard

10.4. Conditions to avoid

Because of the high vapour pressure, containers are liable to burst if temperature rises.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg	rat		
LD50 acute dermal	> 2000 mg/kg	rabbit		
LC50 acute inhalation	> 23,3 mg/l ()	rat		
Skin irritation	Causes skin irritation.			
Eye irritation	irritant - risk of strong eye injuries			
Skin sensitization	No information available.			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				No information available.
Subchronic Toxicity				No information available.
Chronic Toxicity				No information available.
Mutagenicity				No information available.

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Value	Species	Method	Validation
Reproduction-Toxicity			No information available.
Carcinogenicity			No information available.
Aspiration hazard May be fatal if swallowed and enters airways.			

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 1 - 10 mg/l			
Daphnia	EC50 1 - 10 mg/l			
Algae	EC50 10 - 100 mg/l			

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 04

16 05 04*

Name of waste

metallic packaging

gases in pressure containers (including halons) containing 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.

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**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	AEROSOLS (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	Aerosols, flammable (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	Yes	Yes	Yes

14.6. Special precautions for user

No information available.

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

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 2.1

Tunnel restriction code D

Classification code 5F

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard****VOC content** =66,5 %**VOC value** =616 g/L**National regulations****Restriction of occupation**

Observe employment restrictions for young people.

Water hazard class 2 self-classification**Technical instruction air****Class III** Anteil 2,5 - 5 %**Decree for case of interference/ remarks** Accident decree, addendum II: not named.**15.2. Chemical Safety Assessment**

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

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SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

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.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.