

# Safety data sheet

## Kirkedal Zinkspray

Version 1.0

Effective date: 04-02-2025



### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1 Product identifier.

**Trade name:** Kirkedal Zinkspray.

**UFI:** 6M00-Y02W-G00P-F9W6

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

**Product use:** Galvanizing coating spray paint.

#### 1.3 Details of the Supplier of the safety data sheet:

**Company:** TreeTops A/S  
Bavnevej 32,  
6580 Vamdrup  
Denmark  
Tel.: 70 266 233  
info@treetops.dk

#### 1.4 Emergency telephone number:

Use your national or local emergency number.  
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.

Aerosol 1 - H222, H229, Eye Irrit. 2; H319, STOT SE 3; H336, Aquatic Acute 1; H400, Aquatic Chronic 1; H410.

#### 2.2 Label elements CLP No 1272/2008/GB CLP.

##### Hazard pictograms:



##### Signal word:

Danger

**Contains:** Acetone.

##### Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

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### 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.

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves/eye 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.

Storage:

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

Disposal:

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

### Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3 Other hazards.

This product contains organic solvents. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

This product contains no PBT or vPvB substances according to REACH No 1907/2006.

This product does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** This product is a mixture.

### 3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification CLP
7440-66-6 / 231-175-3	01-2119467174- 37	Zinc powder - zinc dust (stabilised)	25<50	Pyr. Sol. 1; H250, Water-react. 1; H260, Aquatic Acute 1; H400, Aquatic Chronic 1; H410.
67-64-1 / 200-662-2	01-2119471330- 49	Acetone	20<25	Flam. Liq. 2; H225, Eye Irrit. 2, H319, STOT SE 3, H336. EUH066.
74-98-6 / 200-827-9	01-2119486944- 21	Propane	10<20	Press. Gas, Flam. Gas 1, H220.

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106-97-8 / 203-448-7	01-2119474691- 32	Butane	10<20	Press. Gas, Flam. Gas 1, H220.
1330-20-7 / 215-535-7	01-2119488216- 32	Xylene	5<10	Flam. Liq. 3; H226, Skin Irrit. 2; H315, Acute Tox. 4; H312+ H332.
107-98-2 / 203-539-1	01-2119457435- 35	1-methoxy-2-propanol	1<3	Flam. Liq. 3; H226, STOT SE 3; H336.

See full text of H-phrases in section 16. Occupational limits, where applicable, are listed in section 8.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures.

#### General information:

In the case of symptoms or doubt: Contact a doctor or casualty department – take the label or this safety data sheet.

#### Inhalation:

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If symptoms persist, consult doctor.

#### Skin contact:

Wash skin thoroughly with soap and water. Do not use solvents or thinners. If symptoms/irritations persist, consult doctor.

#### Eye contact:

Flush immediately eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Make sure you flush under the upper and lower eyelids. If symptoms/irritations persist, consult doctor.

#### Ingestion:

Immediately rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

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

Irritation in contact with eyes.  
Repeated contact may cause dry or cracked skin.  
Single exposure can cause the following effects: headache, nausea, vomiting. May affect the central nervous system. Drowsiness, dizziness, narcotic effects.

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

Treat symptomatically.

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### SECTION 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Alcohol-resistant foam, carbon dioxide, dry powder, water fog.

**Unsuitable extinguishing media:**

Water jets should not be used, since they can spread the fire.

**5.2 Special hazards arising from the substance or mixture:**

Extremely flammable aerosol. Containers can burst violently or explode when heated, due to excessive pressure build-up.

In case of fire, harmful decomposition products may be formed, do not inhale.

**5.3 Advice for firefighters:**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Use water to keep fire exposed containers cool and disperse vapors. Prevent firefighting water from entering the environment. Collect contaminated firefighting water for proper disposal.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

See section 8 for recommendations on the use of personal protective equipment.

Avoid inhalation of vapors and contact with skin and eyes. Ensure adequate ventilation. No smoking. Shut off all possible sources of ignition. Stop leak if you can do it without risk. Floor/surface may be slippery, use care to avoid falling.

**6.2 Environmental precautions:**

Avoid discharge to lakes, streams, sewers, etc.

**6.3 Methods and material for containment and cleaning up:**

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Ensure adequate ventilation. The product is flammable, Use non-sparking tools/equipment. Do not use solvents or thinners for cleaning. Dispose of in accordance with section 13.

**6.4 Reference to other sections:**

See section 7 for safe handling.

See section 8 for personal protection.

See section 13 for disposal.

### SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

Avoid unnecessary exposure. See section 8 for recommendations on the use of personal protective equipment. Wash exposed areas after use. Do not eat, drink or smoke when using this product. Avoid breathing vapor/spray. Ensure sufficient ventilation during handling. Avoid contact with skin, eyes and clothing. Keep away from all sources of ignition - No smoking. Do not pierce or burn, even after use. If the product is used on open flame or glowing material, the aerosol vapors may ignite.

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

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame. No smoking. Do not expose to temperatures exceeding 50°C. Protect against sunlight. Store in a cool, dry, well-ventilated location. Keep out of reach of children. Store according to national regulations pressurized containers.

### 7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters - Occupational exposure limits EH40 (Great Britain):

CAS No	Name:	Limits:	Remarks:
67-64-1	Acetone	Long-term value: 500 ppm, 1210 mg/m <sup>3</sup> Short-term value: 1500 ppm, 3620 mg/m <sup>3</sup>	-
1330-20-7	Xylene	Long-term value: 50 ppm, 220 mg/m <sup>3</sup> Short-term value: 100 ppm, 441 mg/m <sup>3</sup>	Sk, BMVG
107-98-2	1-methoxy-2-propanol	Long-term value: 100 ppm, 375 mg/m <sup>3</sup> Short-term value: 150 ppm, 560 mg/m <sup>3</sup>	Sk

Sk: Can be absorbed through the skin.  
BMGVs Biological monitoring guidance values.

### DNEL / PNEC:

-

### 8.2 Exposure controls.

#### Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

#### General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash station are clearly marked. Avoid contact with skin, eyes and clothing. Avoid breathing vapor/spray.

#### Personal protective equipment:

Only CE-marked personal protection equipment should be used.

#### Respiratory protection:

In case of inadequate ventilation, use respiratory protection with filter AX.

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**Hand protection:** Use gloves. EN 374.  
Option: Nitrile/PVC gloves. ≥60 min.  
Thickness: ≥0.11 mm.

**Eye protection:** Wear tightly safety goggles. EN 166.

**Body protection:** Wear protective clothing.

### Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Physical state:	Liquid/aerosol
Colour:	Silver
Odour:	Characteristic
Melting point/freezing point:	Not relevant/no data
Boiling point:	-10°C
Flammability:	Extremely flammable aerosol.
Lower and upper explosion limit:	Not relevant/no data
Flash point:	<-50°C
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Insoluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	1.21
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

### 9.2 Other information:

VOC: 69.7%.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Stable product under normal conditions.

**10.2 Chemical stability:** The product is stable under the conditions, noted in the section on "Handling and storage".

**10.3 Possibility of hazardous reactions:** No risk of hazardous reactions during normal use and storage.

**10.4 Conditions to avoid:** Remove all sources of ignition and keep away from heat, sparks and direct sunlight. Extremely flammable aerosol. If the temperature rises, there is a danger of containers exploding, due to raising pressure.

**10.5 Incompatible materials:** Strong oxidizing agents.

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### 10.6 Hazardous decomposition products:

Fire will form harmful and irritating fumes/gases.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

<b>Acute toxicity:</b>	Not classified.
<b>Skin corrosion/irritation:</b>	Causes serious eye irritation.
<b>Serious eye damage/irritation:</b>	Not classified.
<b>Respiratory or skin sensitization:</b>	Not classified.
<b>Germ cell mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Not classified.
<b>Reproductive toxicity:</b>	Not classified.
<b>Specific target organ toxicity - single exposure:</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity – repeated exposure:</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.

### 11.2 Information on other hazards:

#### Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

#### Additional Information:

This product contains organic solvents. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** Very toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability:

The product is biodegradable.

#### 12.3 Bioaccumulative potential:

Low potential.

#### 12.4 Mobility in soil:

Insoluble in water.

#### 12.5 Result of PBT and vPvB assessment:

This product does not contain any substances classified as PBT or vPvB.

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### 12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

### 12.7 Other adverse effects:

None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Option:

**EWC-code:** 16 05 04\* gases in pressure containers (including halons) containing dangerous substances.

**Contaminated packing:** Properly cleaned container is disposed of according to packaging material. Option: 15 01 04 metallic packaging.

## SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

LQ (limited quantity).

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)	2/2.1	2/2.1
14.4 Packing group	-	-
14.5 Environmental hazards – MP EmS:	Yes F-D, S-U	Yes F-D, S-U
Other informations	LQ: 1 L. Tunnel D	LQ: 1 L. Tunnel D

### 14.6 Special precautions for user:

Not relevant.

### 14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

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### SECTION 15. REGULATORY INFORMATION

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

##### Sources:

Current ADR regulations 2024. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

**Additional information:** People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

#### 15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

### SECTION 16. OTHER INFORMATION

#### Full text of H-phrases as mentioned in section 3:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

#### Descriptions of possible used abbreviations:

BCF Bioconcentration factor.

BOD Biochemical Oxygen Demand.

CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).

COD Chemical oxygen demand.

DNEL Derived No-Effect Level.

EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

IMDG International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

log KOW n-Octanol/water.

MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").

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PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Good.

vPvB Very Persistent and very Bioaccumulative.

**Validated by:**

SRS

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