

Safety Data Sheet ZINCATURA A FREDDO



Safety Data Sheet dated 29/5/2024, version 14

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

1.1. Product identifier

Mixture identification:

Trade name: ZINCATURA A FREDDO

Trade code: 101

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

Recommended use:

Coating material

1.3. Details of the supplier of the safety data sheet

Company:

SAN MARCO GROUP S.P.A.

Via Alta 10

30020 MARCON (VE) - Italy -

Tel.+39 041 4569322

Fax. +39 041 5950153

Competent person responsible for the safety data sheet:

sicurezza.prodotti@sanmarcogroup.it

1.4. Emergency telephone number

Technical information: SAN MARCO GROUP SPA +39 041 4569322 (Monday – Friday
9.00-12.30 ; 13.30-17.00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

⚠ Warning, STOT SE 3, May cause respiratory irritation.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

⚠ Warning, Aquatic Acute 1, Very toxic to aquatic life.

⚠ Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

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

Special Provisions:

None

Contains

reaction mass of ethylbenzene and m-xylene and p-xylene

Hydrocarbons, C9, aromatics

iso-butanol

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards
















SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 40% - < 50%	zinc powder - zinc dust (stabilized)	Index number: 030-002-00-7 CAS: 7440-66-6 EC: 231-175-3 REACH No.: 01-2119467174-37-XXXX	 4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410
>= 10% - < 12.5%	reaction mass of ethylbenzene and m-xylene and p-xylene	EC: 905-562-9 REACH No.: 01-2119555267-33-XXXX	 2.6/3 Flam. Liq. 3 H226  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Inhal Acute Tox. 4 H332  3.10/1 Asp. Tox. 1 H304  3.9/2 STOT RE 2 H373  3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H335 Acute Toxicity Estimate: ATE - Dermal 1100 mg/kg bw ATE - Inhalation (Vapours) 11 mg/l
>= 5% - < 7%	Hydrocarbons, C9, aromatics	EC: 918-668-5 REACH No.: 01-2119455851-35-XXXX	 2.6/3 Flam. Liq. 3 H226  3.10/1 Asp. Tox. 1 H304  3.8/3 STOT SE 3 H336  3.8/3 STOT SE 3 H335  4.1/C2 Aquatic Chronic 2 H411 EUH066
>= 1% - < 3%	(2-methoxymethylethoxy)	CAS: 34590-94-8	Substance with a Union workplace exposure limit.

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	propanol	EC: 252-104-2 REACH No.: 01-2119450011-60-XXXX	
>= 1% - < 3%	iso-butanol	Index number: 603-108-00-1 CAS: 78-83-1 EC: 201-148-0 REACH No.: 01-2119484609-23-XXXX	<div> <div>2.6/3 Flam. Liq. 3 H226</div> <div>3.8/3 STOT SE 3 H335</div> <div>3.2/2 Skin Irrit. 2 H315</div> <div>3.3/1 Eye Dam. 1 H318</div> <div>3.8/3 STOT SE 3 H336</div> </div>
>= 1% - < 3%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29-XXXX	<div> <div>2.6/3 Flam. Liq. 3 H226</div> <div>3.8/3 STOT SE 3 H336</div> <div>EUH066</div> </div>
>= 0.5% - < 1%	xylene (mixture of isomers)	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32-XXXX	<div> <div>2.6/3 Flam. Liq. 3 H226</div> <div>3.10/1 Asp. Tox. 1 H304</div> <div>3.2/2 Skin Irrit. 2 H315</div> <div>3.9/2 STOT RE 2 H373</div> <div>3.1/4/Dermal Acute Tox. 4 H312</div> <div>3.3/2 Eye Irrit. 2 H319</div> <div>3.1/4/Inhal Acute Tox. 4 H332</div> <div>3.8/3 STOT SE 3 H335</div> </div>
>= 0.1% - < 0.25%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-2119489370-35-XXXX	<div> <div>2.6/2 Flam. Liq. 2 H225</div> <div>3.1/4/Inhal Acute Tox. 4 H332</div> <div>3.9/2 STOT RE 2 H373</div> <div>3.10/1 Asp. Tox. 1 H304</div> </div>

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

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- In case of inhalation, consult a doctor immediately and show the packing or label.
- 4.2. Most important symptoms and effects, both acute and delayed
None
- 4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
CO2 or Dry chemical fire extinguisher.
Extinguishing media which must not be used for safety reasons:
None in particular.
- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
- 5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Use localized ventilation system.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct

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exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

reaction mass of ethylbenzene and m-xylene and p-xylene

- OEL Type: EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes:

Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

- OEL Type: ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

- OEL Type: EU - TWA(8h): 308 mg/m³, 50 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff

iso-butanol - CAS: 78-83-1

- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr

n-butyl acetate - CAS: 123-86-4

- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

- OEL Type: EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm

xylene (mixture of isomers) - CAS: 1330-20-7

- OEL Type: EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

ethylbenzene - CAS: 100-41-4

- OEL Type: EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair

DNEL Exposure Limit Values

zinc powder - zinc dust (stabilized) - CAS: 7440-66-6

Worker Professional: 5 mg/m³ - Consumer: 2.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 83 mg/kg - Consumer: 83 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.83 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

reaction mass of ethylbenzene and m-xylene and p-xylene

Consumer: 12.5 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 442 mg/m³ - Consumer: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 442 mg/m³ - Consumer: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 221 mg/m³ - Consumer: 65.3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 221 mg/m³ - Consumer: 65.3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 212 mg/kg/d - Consumer: 125 mg/kg/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

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(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

mg/kg - Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 308 mg/m³ - Consumer: 37.2 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 283 mg/kg - Consumer: 121 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

iso-butanol - CAS: 78-83-1

Consumer: 25 mg/kg - Exposure: Human Oral - Frequency: Long Term, local effects

Consumer: 25 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

zinc powder - zinc dust (stabilized) - CAS: 7440-66-6

Target: Fresh Water - Value: 0.0206 mg/l

Target: Freshwater sediments - Value: 117.8 mg/kg

Target: Marine water - Value: 0.0061 mg/l

Target: Marine water sediments - Value: 56.5 mg/kg

Target: Soil (agricultural) - Value: 35.6 mg/kg

Target: Microorganisms in sewage treatments - Value: 0.052 mg/l

reaction mass of ethylbenzene and m-xylene and p-xylene

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg/d

Target: Marine water sediments - Value: 12.46 mg/kg/d

Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg/d

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

Target: Fresh Water - Value: 19 mg/l

Target: Marine water - Value: 1.9 mg/l

Target: Freshwater sediments - Value: 70.2 mg/kg/d

Target: Marine water - Value: 7.02 mg/kg/d

Target: Microorganisms in sewage treatments - Value: 4168 mg/l

Target: Soil (agricultural) - Value: 2.74 mg/kg/d

iso-butanol - CAS: 78-83-1

Target: Fresh Water - Value: 0.4 mg/l

Target: Marine water - Value: 0.04 mg/l

Target: Freshwater sediments - Value: 1.51 mg/kg

Target: Marine water sediments - Value: 0.152 mg/kg

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Soil (agricultural) - Value: 0.0699 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

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Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Grey	--	--
Odour:	characteristic of solvent	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>23 °C ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm ² /sec (40 °C)	--	--
Solubility in water:		--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	2.15 kg/l	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

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Properties	Value	Method:	Notes
Viscosity:	>20.5 mm ² /s	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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- a) acute toxicity
Not classified
No data available for the product
- b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
Not classified
No data available for the product
- e) germ cell mutagenicity
Not classified
No data available for the product
- f) carcinogenicity
Not classified
No data available for the product
- g) reproductive toxicity
Not classified
No data available for the product
- h) STOT-single exposure
The product is classified: STOT SE 3 H335
- i) STOT-repeated exposure
The product is classified: STOT RE 2 H373
- j) aspiration hazard
Not classified
No data available for the product

Toxicological information of the main substances found in the product:

zinc powder - zinc dust (stabilized) - CAS: 7440-66-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 5.41 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

reaction mass of ethylbenzene and m-xylene and p-xylene

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a) acute toxicity

ATE - Dermal 1100 mg/kg bw

ATE - Inhalation (Vapours) 11 mg/l

Test: LD50 - Route: Skin - Species: Rabbit 12126 mg/kg

Test: LD50 - Route: Oral - Species: Rat 3523 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat 27124 mg/m3

Hydrocarbons, C9, aromatics

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3592 mg/m3

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m3 - Duration: 4h

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 19020 mg/kg

iso-butanol - CAS: 78-83-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3350 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 2460 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 18.18 mg/l - Duration: 6h

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 21.1 mg/l - Duration: 4h

iso-butanol - CAS: 78-83-1

LD50 (RAT) ORAL: 2460 MG/KG

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

reaction mass of ethylbenzene and m-xylene and p-xylene

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1.3 mg/l - Duration h: 96

(2-methoxymethylethoxy)propanol - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecillia reticulata

Endpoint: EC50 - Species: Daphnia 1919 mg/l - Duration h: 48

iso-butanol - CAS: 78-83-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 1430 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 1100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 1799 mg/l - Duration h: 72

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae 44 mg/l - Duration h: 48

12.2. Persistence and degradability

iso-butanol - CAS: 78-83-1

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

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iso-butanol - CAS: 78-83-1

Test: BCF - Bioconcentration factor

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN number: 1263

IATA-Un number: 1263

IMDG-Un number: 1263

14.2. UN proper shipping name

ADR-Shipping Name: PAINT or PAINT RELATED MATERIAL

IATA-Shipping Name: PAINT or PAINT RELATED MATERIAL

IMDG-Shipping Name: PAINT or PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class: 3

ADR-Label: 3

ADR - Hazard identification number: 30

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

ADR-Environmental Pollutant: Yes

Marine pollutant: Marine pollutant

Most important toxic component: zinc powder - zinc dust (stabilized)

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): (D/E)

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

limited quantity:

5L

S-E

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

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Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

Restriction 28

Restriction 29

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c, E1

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

H318 Causes serious eye damage.

H225 Highly flammable liquid and vapour.

H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.

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Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method