

EC – safety data sheet

Yeti Dental Products GmbH
according to (EC) 1907/2006, Article 31
Surface Marker / K2-LF- Liquid

Publisher: Yeti Dental Products GmbH
Print Date: March 9, 2024
Revised: March 8, 2024, Version 2
Replaces: Version 1 dated April 1, 2012,

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Section 1. Name of substance / preparation and company

Name of the substance: Surface Liquid, K2-LF Glasur Fluid
Item Number: 319-0025, 344-0050

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

Use of the substance: Aids in dental technology

Other use: Not permitted. No further relevant data available

Details of the supplier providing the safety data sheet. Manufacturer/Supplier

YETI Dental Products GmbH
Industriestraße 3, D-78234 Engen,
Tel. (0049)07733-94100, fax. (0049)07733-941022
info@yeti-dental.com
(Monday.-Thursday 8.00h-16.30h, Friday 8.00h-15.00h)

Department providing information: Technical Department / Laboratory

Emergency number: 0049-7733-9410-0

Section 2. Possible dangers Classification of the substance or mixture

2.1 Classification according to Regulation (EC) No. 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements Labeling according to Regulation (EC) No. 1272/2008 is not applicable

There are no hazard pictograms No signal word Danger notices are omitted

2.3 Other hazards Results of the PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

Section 3. Composition / information on ingredients

Chemical characterization: Mixtures · Description: Only those substances that are mandatory in accordance with Annex II of regulation 1907/2006 are listed. Information on other substances that may be present can be provided on request.

Hazardous ingredients: not applicable

Additional information: The wording of the listed hazard warnings can be found in section 16

Section 4. First aid measures

Description of the first aid measures General information: No special actions required.

Consult a doctor if symptoms persist.

After inhalation: Take the affected person out into the fresh air and lay them down quietly. **After skin contact:** Wash off immediately with water. **After eye contact:** Rinse eyes under running water for several minutes with the eyelid wide open. Consult a doctor if symptoms persist. **After swallowing:** Rinse out mouth and then drink plenty of water. Consult a doctor if symptoms persist.

Most important symptoms and effects, both acute and delayed No further relevant information available. **Indication of immediate medical attention or special treatment** No further relevant information available

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Section 5. Fire-fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam. Use fire fighting measures that suit the environment.

Unsuitable extinguishing media for safety reasons: full jet of water **Special hazards arising from the substance or mixture** Formation of toxic gases is possible when heated or in case of fire.

Advice for firefighters: Special protective equipment: Wear self-contained breathing apparatus. ·

Additional information Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Bring people to safety
Environmental precautions: Do not allow to enter sewers or bodies of water. Do not allow to get into the subsoil / soil. · **Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material. The captured material disposed of properly. **Reference to other sections:** For information on personal protective equipment, see Section 8. Information on disposal, see section 13. 7 Handling and storage Precautions for safe handling No special measures required if used properly.

Section 7. for information on safe handling.

Information about fire and explosion protection: No special actions required. **Conditions for safe storage, including any incompatibilities** Requirements for storage rooms and containers: Store only in the unopened original container. Advice on common storage: Store away from food. **Further information on storage conditions:** None. · **Storage class:** · **VbF class:** not applicable **Specific end use (s):** No further relevant information available.

Section 8. Exposure controls and personal protective equipment

Additional information on the design of technical systems: No further information, see Section 7.
Control parameters Components with workplace-related limit values to be monitored: The product does not contain any relevant quantities of substances with limit values that require monitoring at the workplace. **Additional information:** The lists valid during the creation were used as the basis. · **Exposure controls** · **Personal protective equipment:** · **General protective and hygienic measures:** The usual precautionary measures when handling chemicals must be observed. Do not breathe dust / smoke / mist. Wash hands before breaks and at the end of work. · **Respiratory protection:** Respiratory protection recommended. · **Hand protection:** Protective gloves · Glove material The selection of a suitable glove does not only depend on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be checked prior to use. · **Penetration time of the glove material** The exact break through time can be found out by the manufacturer of the protective gloves and has to be observed. · **Eye protection:** safety glasses

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Section 9. Physico-chemical properties

Information on basic physical and chemical properties general information Form: liquid Color: According to product description Odor: characteristic Odor threshold: Not determined pH value Not determined Melting point / melting range: Not determined. Boiling point / boiling range: determined. · Flash point: Not applicable. · Flammability (solid, gaseous): Not applicable. · Ignition temperature Not determined. · Decomposition temperature Not determined. · Self-igniting: The product is not self-igniting. · Danger of explosion: The product is not explosive. · Explosion limits: Lower: Not determined. Upper: Not determined. · Vapor pressure: Not applicable. · Density: Not determined Relative density Not determined. · Vapor density Not applicable. · Evaporation rate Not applicable. · Solubility in / Miscibility with Water Fully miscible. · Distribution
9.2 Other information: No further relevant information available

Section 10. Stability and reactivity

Reactivity No further relevant information available. · **Chemical stability** Thermal decomposition / conditions to be avoided: No decomposition if used as directed. · **Possibility of hazardous reactions** No dangerous reactions known. · **Conditions to Avoid** No further relevant information available. · **Incompatible materials:** No further relevant information available. · **Hazardous decomposition products:** No dangerous decomposition products known.

Section 11. Toxicological information

Acute toxicity: Classification relevant LD / LC50 values: No further relevant information available. · **Primary irritant effect Skin corrosion / irritation** Based on the available data, the Classification criteria not met. · **Mild eye damage / irritation** Based on the available data, the Classification criteria not met. · **Respiratory or skin sensitization** Based on the available data, the Classification criteria not met. · **Toxicity b. repeated exposure** No further relevant information available. **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** No further relevant information available. · **Germ cell mutagenicity** Based on the available data, the Classification criteria not met. · **Carcinogenicity** Based on the available data, the Classification criteria not met. · **Reproductive toxicity** Based on the available data, the Classification criteria not met. · **Specific target organ toxicity** after single exposure Based on the data available, the Classification criteria not met. **Specific target organ toxicity after repeated exposure** Based on the data available, the Classification criteria not met. · **Aspiration hazard** Based on the available data, the classification criteria are not met.

Section 12. Information on ecology

Toxicity · Aquatic toxicity: No further relevant information available. · **Persistence and degradability** No further relevant information available. · **Bioaccumulative** potential No further relevant information available. · **Mobility in soil** No further relevant information available. **Additional ecological information:**
General information: Water hazard class 1 (self-assessment): slightly hazardous to water Do not allow undiluted product or large quantities of it to reach groundwater, waterways or sewage system
PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.
Other adverse effects No further relevant information available

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Section 13. Disposal considerations

Waste treatment methods · Recommendation: Smaller quantities can be disposed of with household waste. **European waste catalog** 18 00 00 WASTE FROM HUMAN MEDICAL OR VETERINARY CARE AND RESEARCH (EXCLUDING KITCHEN AND RESTAURANT WASTE NOT FROM DIRECT HEALTH CARE) 18 01 00 wastes from obstetrics, diagnosis, treatment or prevention of diseases in humans 18 01 07 chemicals other than those mentioned in 18 01 06 **Uncleaned packaging Recommendation:** Disposal according to official regulations. · **Recommended cleaning agent:** water, if necessary with the addition of cleaning agents

Section 14. Transport information

UN number · ADR, ADN, IMDG, IATA not applicable **UN proper shipping name · ADR, ADN, IMDG, IATA** not applicable **Transport hazard class · ADR, ADN, IMDG, IATA** · Class not applicable **Packing group · ADR, IMDG, IATA** not applicable **Environmental hazards:** · Marine pollutant: No. **Special precautions for user** Not applicable. **Transport in bulk according to Annex II of MARPOL73 / 78 and the IBC Code** Not applicable. **UN "Model Regulation":** not applicable

Section 15. Regulations Safety

health and environmental regulations / legislation specific for the substance or mixture · Classification according to VbF: not applicable · **ÖNORM M 9485: Class share in% water** 0.1 NK 99.9 **Chemical safety assessment:** A chemical safety assessment has not been carried out

Section 16. Other information

Classification according to Regulation (EC) No. 1272/2008 Calculation method

The information contained herein is believed to be truthful and accurate. However, none of the statements, recommendations or suggestions expressly or implicitly contain a guarantee or warranty on our part. We therefore do not guarantee the correctness and completeness of this document and do not accept any liability

The information contained herein is believed to be truthful and accurate. However, any statements, recommendations or suggestions do not constitute any express or implied guarantee or warranty on our part. Therefore, we do not guarantee the accuracy or completeness of this document and disclaim any liability in connection with the use of this information or the products cited in it. The buyer/end user bears the full risk. The information contained herein is subject to change without notice.

The statements in this safety data sheet correspond to our current state of knowledge and comply with national and European regulations. The user's other working conditions are not subject to any control or knowledge. The product may not be used for purposes other than those specified in Part 1 without written permission. The user is responsible for compliance with all necessary legal regulations.

The safety data sheet is used to describe products with regard to necessary safety measures. The information does not have the meaning of quality guarantees and does not constitute a contractual legal relationship. Liability of any kind is excluded.

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Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BKF	bioconcentration factor
ATE	acute toxicity estimate
DMEL	Derived exposure level with minimal adverse effects
DNEL	Derived exposure level without adverse effects
IATA	Association for International Air Transport
IMDG	dangerous goods regulations for international sea transport
RID	regulations for the international carriage of dangerous goods by rail
DOT	Department of Transportation
TDG	dangerous goods transport
REACH	Regulation on the Registration, Evaluation, Authorization and Restriction of Chemical Substances, Regulation (EC) No. 1907/2006
GHS	Global Harmonized System of Classification and Labeling of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very persistent and very bioaccumulative
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Estimated no-effect concentration
IBC	Code International safety regulation for the carriage of hazardous chemicals and harmful liquids in bulk by sea
CLP	Regulation on Classification, Labeling and Packaging; Regulation (EC) No. 1272/2008 MARPOL 73/78 MARPOL 73/78: The International Convention for the Prevention of Pollution from Ships
ADG	Australian dangerous goods transport
BLV	biological limit value
BOD	Biochemical Oxygen Demand (BOD)
COD	Chemical oxygen demand (COD)
EC	European Community number
EC50	Average effective concentration
EN	European standard
LC50	Concentration lethal for 50% of a test population
LD50	Lethal dose for 50% of a test population (median lethal dose)
LOAEL	Lowest dose with observable adverse effect
NOAEC	concentration with no observable adverse effect
NOAEL	dose with no observable adverse effect
NOEC	Highest concentration tested with no observed adverse effects
OECD	Organization for Economic Cooperation and Development
OEL	workplace limit value
SDB	Safety data sheet
STP	treatment plant

Safety data sheet

YETI Dental Produkte GmbH

in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

SURFACE MARKER

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

Item name: SURFACE MARKER (bronze powder)
Article 319-0000 / 319-0005 / 399-9000
UFI HM00-Q0KV-300U-FWR6
Intended use: metal pigments for surface marking
Manufacturer: YETI Dentalprodukte GmbH
Industriestrasse 3
D-78234 Engen
Information: phone. +49 7733-9410-0 Fax. +49 7733-9410-22
(Mon-Thurs 8:00 a.m. - 4:30 p.m., Fri 8:00 a.m. - 3:00 p.m.)
sdb@yeti-dental.com
Emergency number: phone.: +49 77 33 – 94 10-0 Fax: +49 77 33 94 10-22
(Mon-Thurs 8:00 a.m. - 4:30 p.m., Fri 8:00 a.m. - 3:00 p.m.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No. 1272/2008



Flam. Sol.1

GHS02 flame
H228 flammable solid



GHS09 Environment
Aquatic Acute 1 H400 Very toxic to aquatic organisms.
Eye Irrit.2 Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07
Acute Tox.4 H302 Harmful if swallowed
Eye Irrit.2 H319 causes serious eye irritation

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including amending regulation (EU) 2020/878

2.2· Labeling elements

Labeling according to Regulation (EC) No. 1272/2008 (CLP)

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

Hazard pictograms (CLP)

HGS02, GHS07, GHS09 ·

Signal word (CLP) Danger ·

Hazardous components for labeling: copper powder ·

Hazard statements (CLP)

H228 flammable solid

H302 harmful if swallowed

H319 causes serious eye irritation

H410 - Very toxic for water organisms with long-term effect. ·

Safety instructions

P210 Keep away from heat/sparks/open flames/hot surfaces. Do not smoke.

P240 Ground container and system to be filled

P241 Use explosion-proof devices Avoid the release of P273 into the environment

P305+P351+P338 in case of contact with eyes: Rinse cautiously with water for several minutes. If possible, remove any contact lenses. Continue rinsing. IF SWALLOWED:

Immediately call a POISON CENTER/doctor.

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

2.3· Other dangers

· **Results of the PBT and vPvB assessment** ·

PBT: Not applicable. ·

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

· **Description:** platelet-shaped bronze powder

Hazardous ingredients:

CAS: 7440-50-8

Copper powder



Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)

EINECS: 231-159-6



Acute Tox. 4, H302; Eye Irrit. 2, H319 > 70%

CAS: 7440-66-6

zinc powder



Flam. Sol. 1, H228

< 30%

EINECS. 231-175-3

Indexnummer: 030-001-01-9

Reg.Nr. 01-2119467174-37



Aquatic Acute 1, H400; Aquatic Chronic1, H410

Revised on: July 29, 2023

Revision 2.1

Print date: June 8th, 2016

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in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

SECTION 4: First aid measures

4.1 Description of first aid measures:

After inhalation: Supply fresh air; if symptoms persist, consult a doctor

After skin contact: Wash off immediately with plenty of water and soap. However, in general the product is not irritating to the skin

In case of eye contact: If contact with eyes occurs, rinse under running water for several minutes with the eyelids open. If symptoms persist, consult a doctor.

After swallowing: Rinse your mouth immediately. Do not induce vomiting, seek medical attention immediately. · Informations for the doctor:

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

4.3 Information about immediate medical attention or special treatment No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

ABC powder, special powder for metal fires, dry sand

Not to use: water

5.2 Special hazards caused by the substance, its combustion products or resulting gases:

No relevant data available

5.3 Advice for firefighting

Special protective equipment:

No special actions required.

SECTION 6: Accidental release measures

6.1 Personal safety precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected people away. Avoid dust formation

6.2 Environmental protection measures:

Do not allow to enter wastewater, drains, soil or waterways.

Inform respective authorities when entering in waters or the sewerage.

6.3 Methods and materials for containment and cleaning up

Absorb mechanically with liquid-binding material (sand, kieselguhr, universal binder, acid binder, sawdust). Do not rinse with water or aqueous cleaning agents. Dispose of contaminated material as waste in accordance with Section 13 (observe official regulations). Ensure adequate ventilation.

Other information: Danger of slipping

6.4 Reference to other sections

For safe handling information see section 7.

For information on personal protective equipment, see Section 8.

Information on disposal, see section 13.

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YETI Dental Produkte GmbH

in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Store in a cool, dry place in well-sealed containers. Avoid dust formation.

Collect dust regularly and dispose of it.

Information on fire and explosion protection: Keep sources of ignition away - do not smoke.

Take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage rooms and containers: Store in a cool and dry place

Information on common storage: Not required.

Further information on storage conditions:

Keep container tightly closed.

Store in a cool, dry place in well-sealed containers.

Storage class:

3

7.3 Specific end use(s):

No further relevant data available.

SECTION 8: Exposure controls/personal protection

Additional information on the design of technical systems:

No further information, see section 7

8.1 Parameters to be monitored

Components with workplace-related limit values that require monitoring:

7440-50-8 copper MAK / 1G mg/m³

DNEL values

7440-50-8 copper powder

Long-term syst. eff. / 0.041 mg/kg bw/d (human)

Short-term syst. eff. / 0.082 mg/kg bw/d (human)

7440-66-6 Zinc powder

Oral	oral soluble	50 mg/day (human)
oral	insoluble	50 mg/day (human)
Dermal	dermal soluble	500 mg/day (human)
	dermal insoluble	5000 mg/day (human)
Inhalative	inhalative soluble	1 mg/m ³ (human)
	inhalatively insoluble	5 mg/m ³ (human)
	709	1.3 mg/m ³ (human)
	710	2.5 mg/m ³ (human)

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in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

PNEC-values

7440-50-8 copper powder

Wastewater treatment plant	230mg/l (environmental)
Sediment estaurine	288 mg/kg dry weight (environmental)
Freshwater sediment	87 mg/kg dry weight (environmental)
Marine sediment	676 mg/kg dry weight (environmental)
Soil	65.5 mg/kg dry weight (environmental)
Fresh water	7.8 mg/l (environmental)
Sea water	5.2 mg/l (environmental)

7440-66-6 Zinc powder

Wastewater treatment plant	52 mg/l (environmental)
Freshwater sediment	117.8 mg/kg dry weight (environmental)
Marine sediment	56.5 mg/kg dry weight (environmental)
Soil	35.6 mg/kg dry weight (environmental)
Fresh water	20.6 mg/l (environmental)
Sea water	6.1 mg/l (environmental)

Additional information: The lists valid during creation served as the basis

8.2 Exposure controls and monitoring

Personal protective equipment

General protective and hygiene measures:

Wash hands before breaks and at the End of work.

Avoid skin contact.

Avoid contact with eyes and skin.

-Respiratory protection:	Not required
-Hand protection:	Not required
-Glove material	the material is subject to various quality characteristics and differs From manufacturer to manufacturer
- Penetration time	must be requested from the manufacturer and adhered to
-Eye protection	with tightly fitting safety goggles is recommended
-Body protection	protective work clothing is recommended and also required in the event of non-compliance



Hand protection



Eye protection



Protective clothing

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in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

SECTION 9: Physical and chemical properties

- Information on the basic physical and chemical properties
- General Information

Look:	
Form:	powder
Color:	gold
Odor:	Characteristic
Change of state	
Melting point/freezing point	Not determined
Start of boiling/boiling range	>999°C
Flammability (solid, gaseous)	flammable
Auto-ignition temperature	the product is not self-igniting
Explosive properties	the product is not explosive
Density at 20°C	8.32g/m ³
Bulk density at 20°C	0.6-0.7g/cm ³
Solubility in/miscibility in water	insoluble
Dynamic viscosity	Not determined
pH value:	Not determined
Melting point/range:	Not determined
Flash point:	Not applicable
Solids content	100%

9.2 Other information No further relevant data available

SECTION 10. Stability and reactivity

10.1 Reactivity

When handled and stored as intended, no dangerous reactions occur.
No further relevant information available.

10.2 Chemical stability

Thermal decomposition/conditions to avoid

No decomposition if stored and handled as intended

10.3 Possibility of hazardous reactions

No dangerous reactions 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

No dangerous decomposition products known

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including amending regulation (EU) 2020/878

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Harmful if swallowed

Classification-relevant LD/LC50 values:

7440-66-6 Zinc powder

Oral LD50 >2000 mg/kg (rat)

Primary irritant effect

Corrosion/irritation to the skin

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

Serious eye damage/irritation

Causes serious eye irritation

Respiratory/skin sensitization

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

CMR effects (carcinogenic, mutagenic and reproductive toxic effects) Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity after single exposure

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

Specific target organ toxicity after repeated exposure

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

Danger of aspiration

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Further ecological information:

General information:

Water hazard class 3 (self-classification): highly hazardous to Water Do not enter undiluted or in large quantities into groundwater, bodies of water or sewage systems let it reach. Hazardous to drinking water even if small amounts leak into the ground

12.5 Results of the PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

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including amending regulation (EU) 2020/878

SECTION 13: Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed together with household garbage. Do not empty into drains.

European waste catalogue

12 01 04 Non-ferrous metal dust and particles

Uncleaned packaging:

Recommendation: Dispose of in accordance with official regulations.

SECTION 14: Transport information

14.1 UN number

ADR, IMDG, IATA UN3089

14.2 UN proper shipping name

ADR UN3089 FLAMMABLE METAL POWDER N.O.S.
ENVIRONMENTALLY HAZARDOUS'

IMDG METAL POWDER, FLAMMABLE, N.O.S. MARINE POLLUTANT
IATA METAL POWDER, FLAMMABLE, N.O.S.

14.3 Transport hazard classes

ADR, IMDG



Class
Danger label

4.1 Flammable solids
4.1

IATA



Class
Label

4.1 Flammable solids
4.1

14.4 Packaging group

ADR, IMDG, IATA II

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14.5 Environmental Hazards

Marine Pollutant

Symbol (Fish and Tree)

Special Identification (ADR)

Symbol (Fish and Tree)

14.6 Special precautions

For the user

Attention: Flammable solid substances

-Kemler No.

40

-EMS No.

F-G, S-G

-Segregation groups

Heavy metals and their salts (including their organometallic compounds) powdered metals

-Stowage Category

B

-Handling Code

H1 Keep as dry as reasonably practicable

-Segregation Code

SG17 Stow „separated from“ goods of classes 2.1 and 3.

SG26 In addition: from goods of classes 2.1 and 3 when stowed on deck of a containership a minimum distance of two container spaces athwartship shall be maintained, when stowed on ro-ro ships a distance of 6m athwartship shall be maintained.

14.7 Transport in bulk in accordance with Annex II of the Maripol Convention and in accordance with IBC code

not applicable

Transport/further information:

-ADR

-Limited Quantity (LQ)

1kg

-Exempt quantities (EQ)

code E2

highest net quantity per inner packaging 30g.

highest net quantity per outer packaging 500g.

-Transport category

2

-Tunnel restriction code

E

-IMDG

-Limited quantities (LQ)

1kg

-Excepted quantities (EQ)

code E2

Maximum net quantity per inner packaging 30g.

Maximum net quantity per outer packaging 500g.

UN “Model Regulation” UN3089 FLAMMABLE METAL POWDER N.O.S. 4.1, II
ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

-Directive 2012/18/EU

-Quantity threshold (in tonnes) for use in lower class establishments 100t

-Quantity threshold (in tons) for use in upper class operations 200t

-National regulations

-Water hazard class:

WGK 3 (self-classification) highly hazardous to water

-Other regulations, restrictions and prohibitory regulations

-Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are included

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in accordance with REACH Regulation (EC) 1907/2006
including amending regulation (EU) 2020/878

15.2 Chemical safety assessment

A chemical safety assessment was not carried out

SECTION 16: Other information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not constitute a contractual legal relationship.

The product may not be used for any purpose other than that specified in Section 1 without written permission. The user is responsible for complying with all necessary legal regulations and safety precautions.

· Relevant sentences

H228 Flammable solid

H302 Harmful if swallowed

H319 Causes serious eye irritation

H400 Very toxic to aquatic organisms.

H410 Very toxic for water organisms with long-term effect.

Customs tariff number: 74062000

Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße)

IMDG-Code: International Maritime Code for Dangerous Goods (Die Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffsverkehr)

ICAO: Internationale Zivilluftfahrtorganisation (IATA: Internationale Flug-Transport-Vereinigung) **GHS:** Globally Harmonized System of Classification, Labelling and Packaging of Chemicals (Global harmonisierte System zur Einstufung und Kennzeichnung von Chemikalien)

EINECS: European Inventory of Existing Commercial Chemical Substances (Altstoff-Verzeichnis der EU)

ELINCS: European List of Notified Chemical Substances (Europäisches Verzeichnis der auf dem Markt vorhandenen chemischen Stoffe)

CAS-Nr.: Chemical Abstracts Service (Internationaler Bezeichnungsstandard für chemische Stoffe)

LC50: Lethal concentration, 50% (letale Konzentration, 50%)

LD50: Lethal dose, 50% (letale Dosis, 50%)

PBT: Persistent Bioaccumulative dan Toxic

vPvB: very Persistent and very Bioaccumulative

Flam.Liq.2: Entzündbare Flüssigkeiten-Kategorie 2

Eye Irrit.2: schwere Augenschädigung/Augenreizung-Kategorie 2

STOT SE3: Spezifische Zielorgan-Toxizität (einmalige Exposition)-Kategorie 3

JArbSchG: Gesetz zum Schutze der arbeitenden Jugend (Jugendarbeitsschutzgesetz)

StörfallVO: Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung)

VwVwS: Allgemeine Verwaltungsvorschrift zum Wasserhaushaltsgesetz über die Einstufung wassergefährdender Stoffe in Wassergefährdungsklassen (Verwaltungsvorschrift wassergefährdende Stoffe)

TRGS: Technische Regel für Gefahrstoffe, Deutschland

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