



## ZINC PASTE

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 2015/10/30

Revision date: 2021/05.31

Supersedes: 2017/08/22

Version: 5.1

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Zinc Paste  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Paint  
Use of the substance/mixture : Paint  
Function or use category : 55/999 Others

#### 1.2.2. Uses advised against

Restrictions on use : Any other intended applications should be discussed with the manufacturer

### 1.3. Details of the supplier of the safety data sheet

WINKEL GmbH  
Lisztstraße 1  
53881 Euskirchen - Germany  
Tel.: +49 2251 77 69 400-401  
Fax: +49 2251 77 69 402  
E-Mail: info@winkelgroup.de  
Internet: www.winkelgroup.de

### 1.4. Emergency telephone number

Emergency number : 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226  
Acute toxicity (oral), Category 4 H302  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Hazardous to the aquatic environment — Chronic H411  
Hazard, Category 2

Full text of H-statements see section 16.

#### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Harmful if swallowed. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.





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#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [6]

Hazard pictograms (CLP)



GHS02

GHS07

GHS09

Signal word (CLP)

: Warning

Hazardous ingredients

: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified

Hazard statements (CLP)

: H226 - Flammable liquid and vapour H302 - Harmful if swallowed  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing dust, vapours  
P264 - Wash hands, forearms and face thoroughly after handling  
P273 - Avoid release to the environment  
P280 - Wear protective clothing, protective gloves, eye protection, face protection  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P301+P330+P331+P310+P321 - IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment  
P370+P378 - In case of fire: Use dry sand to extinguish  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking

#### 2.3. Other hazards

Other hazards not contributing to the classification : Prolonged or repeated contact may cause skin to become dry or cracked.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified	(CAS No) 64742-95-6 / 128601-23-0 (EC no) 918-668-5	60-80	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
aluminium powder (stabilised)	(CAS No) 7429-90-5 (EC no) 231-072-3 (EC index no) 013-002-00-1 (REACH-no) 01-2119529243-45-xxxx	20-40	Water-react. 2, H261 Flam. Sol. 1, H228





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Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove/Take off immediately all contaminated clothing. Remove victim to fresh air.
First-aid measures after inhalation	: Remove victim to fresh air. If you feel unwell, seek medical advice. Keep victim warm and rested. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in the recovery position and seek medical advice. Maintain airway. Loosen tight clothing such as a collar, tie, belt or waistband.
First-aid measures after skin contact	: Rinse and then wash skin with water and soap. Remove clothing before washing. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Immediately call a POISON CENTER or doctor/physician. Move to fresh air. If swallowed, rinse mouth with water (only if the person is conscious). Keep victim warm and rested. If swallowed and victim is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting without medical advice. If vomiting occurs, keep head lower than hips to prevent aspiration. Consult a doctor/medical service if you feel unwell. Never give anything by mouth to an unconscious person. Maintain airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Symptoms/injuries	: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. For further information see section 11.
Symptoms/injuries after inhalation	: Headache. May cause drowsiness or dizziness. Inhalation of fumes or vapours may cause respiratory irritation. Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/injuries after skin contact	: Irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: Can occur: eye irritation.
Symptoms/injuries after ingestion	: Gastrointestinal complaints. Nausea. Diarrhoea.

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

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry sand. Foam. Carbon dioxide. special powder against metal fire.
Unsuitable extinguishing media	: Do not use water. Water-reactive.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: This product is flammable. Hazardous combustion products.
Explosion hazard	: Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. May form flammable/explosive vapour-air mixtures.
Reactivity in case of fire	: Producing fumes/mist.
Hazardous decomposition products in case of	: On heating: release of harmful gases/vapours. Carbon oxides (CO, CO <sub>2</sub> ). fire

### 5.3. Advice for firefighters

Precautionary measures fire	: Approach from upwind. Consider evacuation.
Firefighting instructions	: Personal protection during fire fighting. Wear a self contained breathing apparatus. Take account of environmentally hazardous firefighting water.
Protection during firefighting	: Approach from upwind. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Do not inhale vapour. Dispose of contaminated materials in accordance with current regulations. Avoid release to the environment.





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#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Concerning personal protective equipment to use, see section 8. Do not touch or walk through spilled material.

##### 6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

##### 6.1.2. For emergency responders Protective equipment

: For further information refer to section 8: "Exposure controls/personal protection".

##### 6.2. Environmental precautions

Not in groundwater, surfacewater or sewerage. Prevent soil and water pollution.

##### 6.3. Methods and material for containment and cleaning up

For containment : Binding agent. Collect all waste in suitable and labelled containers and dispose according to local legislation. Keep in suitable, closed containers for disposal.

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal. Pick up with suitable appliance and dispose of.

Other information : May be dangerously slippery if spilled. Dispose of this material and its container at hazardous or special waste collection point.

##### 6.4. Reference to other sections

Reference to other sections (8, 13).

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Additional hazards when processed : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air. The product may charge electrostatically: use earthing leads when transferring from one container to another.

Precautions for safe handling : Use only in well ventilated areas. Provide local exhaust or general room ventilation. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately.

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

Technical measures : Ensure adequate air ventilation.

Storage conditions : Keep container tightly closed and in a well-ventilated place. Keep cool. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible products : Keep away from: strong acids, strong bases and oxidising compounds, water, reductor agents.

Incompatible materials : Combustible materials.

Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition. Protect from heat and direct sunlight.

Information on mixed storage : Segregate from foodstuffs.

Storage area : Keep out of direct sunlight. Keep container in a well-ventilated place. Store locked up.

Special rules on packaging : correctly labelled.

##### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.



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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6 / 128601-23-0)		
EU	IOELV TWA (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> EU HSPA (GW)_ aromatic solvents 160185

#### Additional information

: In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit.

### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide adequate general and local exhaust ventilation. Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.

#### Personal protective equipment:

protective clothing. Protective goggles. Gloves.

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Skin protection appropriate to the conditions of use should be provided. Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust)

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust



#### Thermal hazard protection:

On heating: self-contained breathing apparatus.

#### Environmental exposure controls:

Assure that emissions are compliant with all applicable air pollution control regulations. Refer to all applicable national, international and local regulations or provisions.

#### Other information:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Separate working clothes from town clothes. Handle in accordance with good industrial hygiene and safety practice.





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

Physical state	: Liquid
Appearance	: Paint.
Colour	: Aluminium.
Odour	: aromatic.
Odour threshold	: Not determined due to potential health hazard by inhalation
pH	: Not determined
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: Not applicable
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: 47 °C
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Flammable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not determined
Relative density	: Not determined
Density	: 0,973 g/cm <sup>3</sup>
Solubility	: Insoluble in water.
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: 612 cP Brookfield Spindel 5 rpm100
Explosive properties	: Not determined.
Oxidising properties	: Not applicable.
Explosive limits	: Not determined

**9.2. Other information**

Minimum ignition energy	: Not determined
Sublimation point	: Not applicable for preparations
Bulk density	: Not applicable
Other properties	: If necessary, information on other physical and chemical parameters is indicated in this section.
Additional information	: No further information available.





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## 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

No dangerous reactions known under normal conditions of use. On exposure to high temperature, may decompose, releasing : On exposure to high temperature, may decompose, releasing toxic vapours.

### 10.4. Conditions to avoid

Keep away from heat and direct sunlight. Open flame.

### 10.5. Incompatible materials

acids and bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: The product has not been tested. The statement has been derived from the properties of the individual components.

ATE CLP (oral)	344,8275862069 mg/kg bodyweight
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Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6 / 128601-23-0)	
LD50 oral rat	200 - 5000 mg/kg
LD50 dermal rat	<= 2000 mg/kg

aluminium powder (stabilised) (7429-90-5)	
LD50 oral rat	15900 mg/kg bodyweight ECHA reference
LC50 inhalation rat (mg/l)	> 888 mg/m³ ECHA reference

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met) pH: Not determined

Additional information : Can occur: irritation

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met) pH: Not determined

Additional information : The product has not been tested. The statement has been derived from substances/products of a similar structure or composition

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met) Germ cell mutagenicity

: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)





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Specific target organ toxicity (single exposure) : May cause respiratory irritation. May cause drowsiness or dizziness.

Specific target organ toxicity (repeated : Not classified (Based on available data, the classification criteria are not met) exposure)

aluminium powder (stabilised) (7429-90-5)	
LOAEL (oral, rat, 90 days)	1000 - 1075 mg/kg bodyweight/day ECHA reference
NOAEL (oral, rat, 90 days)	200 - 3225 mg/kg bodyweight/day ECHA reference

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : No data available.

ZINC PASTE	
Viscosity, kinematic	628,98252826 mm <sup>2</sup> /s

Potential adverse human health effects and : Harmful if swallowed. Irritation of the respiratory tract. May cause drowsiness or dizziness. symptoms

Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Dangerous for the environment.
Ecology - air	: Not dangerous for the ozone layer (Council Regulation (EC) no 1005/2009).
Ecology - water	: Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.





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#### Additional information

: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6 / 128601-23-0)	
LC50 fish 1	1 - 10 mg/l
LC50 other aquatic organisms 1	> 100 mg/l microorganisms
ErC50 (algae)	1 - 10 mg/l
NOEC chronic fish	<= 10 mg/l
NOEC chronic crustacea	<= 10 mg/l

aluminium powder (stabilised) (7429-90-5)	
LC50 fish 1	78 - 218644,1 µg/l ECHA reference
EC50 Daphnia 1	1,5 - 2,56 mg/l ECHA reference
EC50 72h algae (1)	16,9 - 4980 mg/l

#### 12.2. Persistence and degradability

ZINC PASTE	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

ZINC PASTE	
Log Pow	Not determined
Bioaccumulative potential	No bioaccumulation data available.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6 / 128601-23-0)	
Bioaccumulative potential	No bioaccumulation.

#### 12.4. Mobility in soil

ZINC PASTE	
Ecology - soil	No information available about this product. This material has not been tested.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6 / 128601-23-0)	
Ecology - soil	Low mobility (soil).

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

##### Other adverse effects

: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

##### Additional information

: Avoid release to the environment. Refer to special instructions/safety data sheets.





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#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Sewage disposal recommendations	: Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Packs that cannot be cleaned should be disposed of in the same manner as the contents.
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Handle uncleaned empty containers as full ones.
Ecology - waste materials	: Hazardous waste due to toxicity.

#### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shipping name				
PAINT	PAINT	Paint	PAINT	PAINT
Transport document description				
UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONM ENTALLY HAZARDOUS	UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
ADR	IMDG	IATA	ADN	RID
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

##### 14.6. Special precautions for user

###### - Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 640E, 650, 367
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1

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Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:
Tunnel restriction code (ADR)	: D/E
- Transport by sea	
Special provisions (IMDG)	: 163, 223, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
MFAG-No	: 127;128
- Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L

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Special provisions (IATA) : A3, A72, A192  
ERG code (IATA) : 3L

#### - Inland waterway transport

Classification code (ADN) : F1  
Special provisions (ADN) : 163, 64E, 65  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 0

#### - Rail transport

Classification code (RID) : F1  
Special provisions (RID) : 163, 640E, 650  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Special packing provisions (RID) : PP1  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T2  
  
Portable tank and bulk container special provisions (RID) : TP1, TP29  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
  
Colis express (express parcels) (RID) : CE4  
Hazard identification number (RID) : 30

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	AluZM - Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	AluZM - Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	AluZM - Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	AluZM - Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified





## ZINC PASTE

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

AluZM - Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified - aluminium powder (stabilised)

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition : No further information available. Ensure all national/local regulations are observed. regulations

#### 15.1.2. National regulations

Users should ensure that they comply with any relevant local, provincial or national legislation.

#### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

Indication of changes:

Revised SDS according to Commission Regulation (EU) N°2015/830. Revision - See : \*.

Section	Changed item	Change	Comments
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
2.2	DSD/DPD labelling	Removed	
15	Additional information	Added	

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration





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IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Manufacturer/Supplier. Authoring : Quick.MSDS Sprl - Belgium info@quickmsds.de +32 (0) 479 469 465

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : No additional information available.

#### Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H226	Flammable liquid and vapour
H228	Flammable solid
H261	In contact with water releases flammable gases
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
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





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#### MSDS EU (REACH Annex II)

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