Globally Harmonized System of Classification and Labelling of Chemicals (GHS)



STAPA 4 ZnSn30 Zinc Paste

Version 1.4

Revision Date 06.12.2019

Print Date 15.04.2024

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

1.1 Product identifier

Trade name	: STAPA 4 ZnSn30 Zinc Paste
Material number	: 032044K30

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company	: ECKART Suisse SA Route de la Brasserie 2
	1963 Vétroz
Telephone	: +410273454800
Telefax	: +410273454859
E-mail address	: msds.eckart@altana.com
Responsible/issuing person	

1.4 Emergency telephone number

NCEC: (contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

GHS Classification

: Short-term (acute) aquatic hazard, Category 1, H400 Long-term (chronic) aquatic hazard, Category 1, H410

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GHS-Labelling			
Symbol(s)	:		
Signal word	:	Warning	
Hazard statements	:	H410: Very toxic to aquatic life with long lasting effects.	
Precautionary statements	:	Prevention: P273 Avoid release to the environment. Response: P391 Collect spillage. Disposal: P501 Dispose of contents/ container to an approved wasted disposal plant.	

Hazardous components which must be listed on the label

:

SECTION 3: Composition/information on ingredients

Substance name

: stapa 4 znsn 30

Substance No.

zinc powder — zinc dust	7440-66-6	Aquatic Acute;1;H400	50 - 100
(stabilised)	231-175-3	Aquatic Chronic;1;H41	0
Naphtha (petroleum), hydrotrea heavy; Low boiling point ydrog treated naphtha		Flam. Liq.;4;H227 Asp. Tox.;1;H304	1 - 10
For the full text of the H-Statem	ents mentioned in thi	s Section, see Section 16.	
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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move the victim to fresh air. Remove from exposure, lie down. No hazards which require special first aid measures.	
If inhaled : If unconscious, place in recovery position and seek medica advice. If symptoms persist, call a physician.	I
In case of skin contact : Wash off immediately with soap and plenty of water.	
In case of eye contact : Immediately flush eye(s) with plenty of water.	
Keep eye wide open while rinsing.	
If eye irritation persists, consult a specialist.	
Flush eyes with water as a precaution.	
Remove contact lenses.	
Keep eye wide open while rinsing.	
If eye irritation persists, consult a specialist.	
If swallowed : Keep respiratory tract clear.	
Do not give milk or alcoholic beverages.	
Never give anything by mouth to an unconscious person.	
If symptoms persist, call a physician.	

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry sand, Special powder against metal fire

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Unsuitable extinguishing media	:	Carbon dioxide (CO2), Water	
5.2 Special hazards arising from	the	substance or mixture	
Specific hazards during firefighting	:	Contact with water liberates extremely fl (hydrogen).	ammable gas
		Do not allow run-off from fire fighting to courses.	enter drains or water
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus necessary.	s for firefighting if
Further information	:	Collect contaminated fire extinguishing v must not be discharged into drains. Fire contaminated fire extinguishing water me accordance with local regulations.	residues and

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Evacuate personnel to safe areas. Ensure adequate ventilation.
		Avoid dust formation.

6.2 Environmental precautions

Environmental precautions	: Prevent product from entering drains.
	Prevent further leakage or spillage if safe to do so.
	If the product contaminates rivers and lakes or drains inform
	respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Use mechanical handling equipment.		
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Pick up and transfer to properly labelled containers. Do not flush with water. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

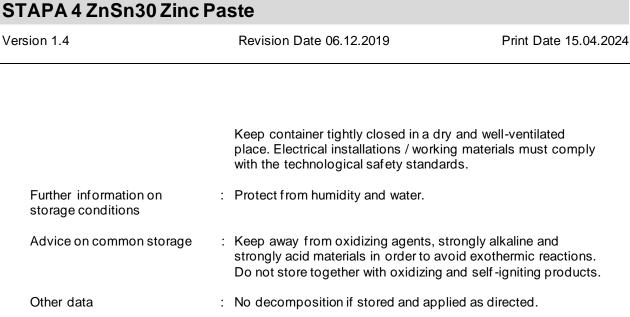
SECTION 7: Handling and storage

7.1 Precautions for safe handling	
Advice on safe handling :	Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against : fire and explosion	Keep away from heat and sources of ignition. No smoking.
	Normal measures for preventive fire protection.
Hygiene measures :	Wash hands before breaks and at the end of workday.
7.2 Conditions for safe storage, inc	luding any incompatibilities

Requirements for storage
areas and containers: Earthing of containers and apparatuses is essential. Take
measures to prevent the build up of electrostatic charge. Use
explosion-proof equipment. Store in original container. Keep
container tightly closed in a dry and well-ventilated place.
Keep containers tightly closed in a cool, well-ventilated place.
Keep away from sources of ignition - No smoking.

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7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Page

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (catego		2;(II)			
Further inform	ation		dangerous substar ounds at the work p on).		
zinc powder	7440-66-6	AGW (Alveolate	1,25 mg/m3	2014-04-02	DE TRGS 900
— zinc dust (stabilised)		fraction)			





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Peak-limit: exc factor (categor		2;(II)			
Further inform	ation	Commission for dangerous substances Senate commission for review of compounds at the work place dangerous for the health (MAK-commission).			
tin	7440-31-5	TWA	2 mg/m3	1991-07-05	91/322/EEC
Further inform	ation	Existing scientific data on health effects appear to be particul limitedIndicative		be particularly	
tin	7440-31-5	TWA	2 mg/m3	1991-07-05	91/322/EEC
Further inform	ation	IndicativeExisting scientific data on health effects appea particularly limited		ppear to be	
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	AGW	300 mg/m3	2017-11-30	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900		e also No. 2.9	

United States of America (USA):

	Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
	zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
	zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	15 mg/m3	2012-07-01	
	zinc powder	7440-66-6	TWA (respirable fraction)	5 mg/m3	2012-07-01	
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— zinc dust (stabilised)					
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (Total dust)	10 mg/m3	2014-11-26	
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
tin	7440-31-5	TWA	2 mg/m3	2013-03-01	
tin	7440-31-5	TWA	2 mg/m3	1997-08-04	
tin	7440-31-5	TWA	2 mg/m3	1989-01-19	
tin	7440-31-5	TWA	2 mg/m3	2018-03-20	
tin	7440-31-5	TWA	2 mg/m3	1997-08-04	
tin	7440-31-5	TWA	2 mg/m3	1989-01-19	
tin	7440-31-5	PEL	2 mg/m3	2014-11-26	
tin	7440-31-5	TWA	2 mg/m3	2016-11-15	
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	TWA	500 ppm 2 000 mg/m3	2007-01-01	
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	TWA	400 ppm 1 600 mg/m3	1989-01-19	

8.2 Exposure controls

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Personal protective equipme Eye protection	ent :	Safety glasses	
Hand protection			
Material Remarks	:	Solvent-resistant gloves (butyl- Take note of the information giv permeability and break through workplace conditions (mechanic The exact break through time c protective glove producer and t Please observe the instructions breakthrough time which are pr gloves. Also take into considera	ven by the producer concerning times, and of special cal strain, duration of contact). an be obtained from the his has to be observed. s regarding permeability and ovided by the supplier of the ation the specific local
		conditions under which the prod danger of cuts, abrasion, and th	ne contact time.
		Recommended preventive skin Skin should be washed after co	•
		The suitability for a specific wo with the producers of the protect	rkplace should be discussed
	:	The suitability for a specific wo with the producers of the protect	•
Skin and body protection	:	Choose body protection accord concentration of the dangerous	
Respiratory protection	:	Use suitable breathing protection requires. In the case of dust or aerosol for approved filter.	
Environmental exposure con General advice	ntro	ls	
General auvice	:	Prevent product from entering of Prevent further leakage or spills If the product contaminates rive respective authorities.	age if safe to do so.
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Water	Do not flush into surface water or san	itary sewer system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Pasty solid
Colour	: silver
Odour	: characteristic
рН	: No data available
Freezing point	: No data available
Boiling point/boiling range	: 175 - 220 °C
Flash point	: No data available
Bulk density	: No data available
Flammability (solid, gas)	: The product is not flammable.
	. No state excellente
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available

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Thermal decomposition Viscosity, dynamic Viscosity, kinematic Flow time	 No data available
9.2 Other information	
Self-Accelerating decomposition temperature (SADT)	: No data available
Self-heating substances	: No data available
Heat of combustion	: No data available
Impact sensitivity	: No data available
Surface tension	: No data available
Conductivity	: No data available
Sublimation point	: No data available
Molecular weight	: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions

: Contact with acids and alkalis may release hydrogen.



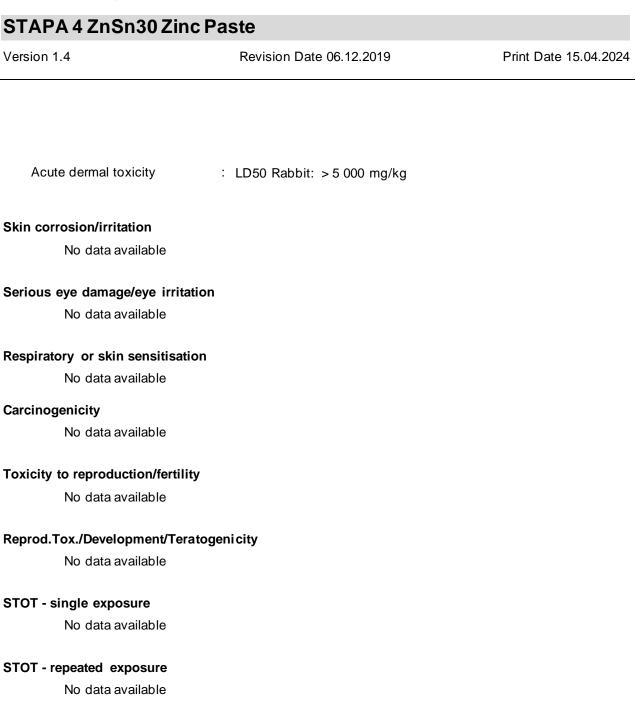
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	No decomposition if stored and	d applied as directed.
10.4 Conditions to avoid		
Conditions to avoid	: Do not allow evaporation to dry No data available	yness.
10.5 Incompatible materials		
Materials to avoid	: Acids Bases Oxidizing agents	
10.6 Hazardous decomposition	products	
Other information	: No data available	
SECTION 11: Toxicological i 11.1 Information on toxicologic Acute toxicity		
Components:		
zinc powder — zinc dust (s Acute oral toxicity	stabilised): : Rat: >2 000 mg/kg	
Naphtha (petroleum), hydr Acute oral toxicity	otreated heavy; Low boiling point y : LD50 Rat: >5 000 mg/kg	ydrogen treated naphtha :
Acute inhalation toxicity	: LC50 Rat: Test atmosphere: va	apour
	An LC50/inhalation/4h/rat could no mortality of rats was observ	d not be determined because red at the maximum achievable
	concentration.	

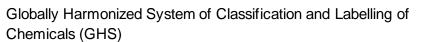
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Aspiration toxicity

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No data available

Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

Components: zinc (7440-66-6) :

Ecotoxicology Assessment

Short-term (acute) aquatic: Very toxic to aquatic life.hazardLong-term (chronic) aquatic: Very toxic to aquatic life with long lasting effects.hazard

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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No data available

12.6 Other adverse effects

Product:

Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		unprofessional handling or disposal., Very toxic to aquatic life
		with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 In accordance with local and national regulations. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. In accordance with local and national regulations.

SECTION 14: Transport information

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CFR		
Not dangerous goods		
TDG		
ADR	: 3077	
14.1 UN number		



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Not dangerous goods		
IMDG	: 3077	
ΙΑΤΑ	: 3077	
14.2 Proper shipping name		
ADR	: ENVIRONMENTALLY HAZARDOU N.O.S.	IS SUBSTANCE, SOLID,
	(Zinc powder, stabilized)	
TDG		
Not dangerous goods CFR		
Not dangerous goods		
IMDG	: ENVIRONMENTALLY HAZARDOU N.O.S.	IS SUBSTANCE, SOLID,
	(,Zinc powder, stabilized)	
ΙΑΤΑ	: ENVIRONMENTALLY HAZARDOU N.O.S.	IS SUBSTANCE, SOLID,
	(Zinc powder, stabilized)	
14.3 Transport hazard class		
ADR	: 9	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	: 9	
ΙΑΤΑ	: 9	
14.4 Packing group		
ADR		

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Packaging group	: III
Classification Code	: M7
Hazard Identification Numbe	r : 90
Labels	: 9
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	
Packaging group	: III
Labels	: 9
EmS Number	: F-A, S-F
ΙΑΤΑ	
Packing instruction (cargo aircraft)	: 956
Packing instruction (passenger aircraft)	: 956
Packing instruction (LQ)	: Y956
Packaging group	: III
Labels	: 9
14.5 Environmental hazards	
IMDG	: Marine pollutant
ADR	: Environmentally hazardous

14.6 Special precautions for user

IMDG Code- segregation group:

: IMDG Code segregation group 7 - Heavy metals and their salts

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For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

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

No data available

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59).

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

	Combustible liquid. May be fatal if swallowed and enters airways.
	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the

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specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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