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

STAPA WM Silver FPG 10/80 Aluminium Paste

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

1.1 Product identifier

Trade name	:	STAPA WM Silver FPG 10/80 Aluminium Paste
Material number	:	024404GD0

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 GmbH Guentersthal 4
	91235 Hartenstein
Telephone	: +499152770
Telefax	: +499152777008
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

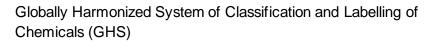
GHS Classification

Not a hazardous substance or mixture.

GHS-Labelling

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C ECKART

Not a hazardous substance or mixture.

Hazardous components which must be listed on the label

:

Other hazards which do not result in classification

Combustible Solids

SECTION 3: Composition/information on ingredients

Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	50 - 100
silicon dioxide	7631-86-9 231-545-4	Acute Tox.;5;H303	1 - 10
Fatty acids, C14-18 and C16-18- unsatd.	67701-06-8 266-930-6	Acute Tox.;5;H313	1 - 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice If inhaled	 Move the victim to fresh air. Do not leave the victim unattened No hazards which require spec If unconscious, place in recover advice. 	ial first aid measures.
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	lf symptoms persist, call a physician.	
In case of skin contact	: Wash off immediately with soap and plen	
In case of eye contact	: Immediately flush eye(s) with plenty of wa	ater.
	Remove contact lenses. If eye irritation persists, consult a speciali	ist
If swallowed	: Keep respiratory tract clear.	
	Do not give milk or alcoholic beverages. Never give anything by mouth to an unco If symptoms persist, call a physician.	nscious person.

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
Unsuitable extinguishing media	: Water, Foam, ABC powder, Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

This information is not available.

5.3 Advice for firefighters

Special protective equipment for firefighters	: Use personal protective equipn	nent.
	Wear self-contained breathing necessary.	apparatus for firefighting if
Further information	: Standard procedure for chemic measures that are appropriate	
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surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Evacuate personnel to safe areas. Use personal protective equipment.
	Remove all sources of ignition. Avoid dust formation.

6.2 Environmental precautions

This information is not available.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel,
	acid binder, universal binder, sawdust).
	Sweep up and shovel.
	Do not flush with water.
	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	: Keep away from heat and sou formation. Ensure adequate v	
	For personal protection see so drinking should be prohibited	
Advice on protection against	: Keep away from open flames	, hot surfaces and sources of
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fire and explosion		ignition. Earthing of containers and appara	atuses is essential.
		Normal measures for preventive fire prote	ction.
Hygiene measures	:	General industrial hygiene practice.	
7.2 Conditions for safe storage, i	incl	uding any incompatibilities	
Requirements for storage areas and containers		Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Keep away from sources of ignition - No smoking.	
		Electrical installations / working materials the technological safety standards.	must comply with
Further information on storage conditions	:	Protect from humidity and water. Do not a	llow to dry.
Advice on common storage	:	Do not store together with oxidizing and se Never allow product to get in contact with storage. Keep away from oxidizing agents and strongly acid materials in order to avo reactions.	water during s, strongly alkaline
Other data	:	No decomposition if stored and applied as	s directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

	Components	CAS-No.	Value type (Form of	Control parameters	Update	Basis
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		exposure)			
aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		dangerous substar ounds at the work pl on).		
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		dangerous substar ounds at the work p on).		
White mineral oil (petroleum)	8042-47-5	AGW (Alveolate fraction)	5 mg/m3	2015-11-06	DE TRGS 900
Peak-limit: exc factor (categor		4;(II)			
Further inform	ation	Senate commission for the review of compounds at the w place dangerous for the health (MAK-commission). When compliance with the OEL and biological tolerance values, no risk of harming the unborn child		When there is	
silicon dioxide	7631-86-9	AGW (Inhalable fraction)	4 mg/m3	2013-09-19	DE TRGS 900
Further inform	ation	place dangerous amorphous silica manufactured si compliance with	sion for the review of s for the health (MA a, including pyrogen lica (precipitated sil the OEL and biologing the unborn child	K-commission). nic silica and in v ica, silicagel).Wi	Colloidal vet processes hen there is

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8.2 Exposure controls

Personal protective equipm	nent	
Eye protection	:	Safety glasses
Hand protection		
Material	:	Solvent-resistant gloves
Remarks	:	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and
		breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
		Recommended preventive skin protection
		Skin should be washed after contact.
		The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	:	Long sleeved clothing
		Safety shoes
		Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	:	Use suitable breathing protection if workplace concentration requires.
Environmental exposure co	ontro	bls
Water		The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Appearance	: Pasty solid	
Colour	: silver	
Odour	: characteristic	
рН	: No data available	
Freezing point	: No data available	
Boiling point/boiling range	: No data available	
Flash point	: No data available	
Bulk density	: No data available	
Flammability (solid, gas)	: Combustible Solids	
Auto-flammability	: not auto-flammable	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapour pressure	: No data available	
Density	: 1,3 - 2,0 g/cm3	
Water solubility	: No data available	
Miscibility with water	: immiscible	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Ignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, dynamic	: No data available	
Viscosity, kinematic	: No data available	
Flow time	: No data available	
Explosive properties	: Not explosive Not explosive	

9.2 Other information

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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	 Reacts with alkalis, acids, halogenes and oxidizing agents. Contact with acids and alkalis may release hydrogen. Mixture reacts slowly with water resulting in evolution of hydrogen. Vapour/air-mixtures are explosive at intense warming.
	Stable under recommended storage conditions.

10.4 Conditions to avoid

Cond	litions to avoid	:	Do not allow to dry.
			No data available

10.5 Incompatible materials

Materials to avoid : Acids Bases Oxidizing agents Highly halogenated compounds

10.6 Hazardous decomposition products

Hazardous decomposition products	: No data available
Other information	: No data available

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SECTION 11: Toxicological information		
11.1 Information on toxicological effects		
Acute toxicity		
Components: silicon dioxide : Acute oral toxicity	: LD50 Rat: 5 000 mg/kg	
	Mouse: 15 000 mg/kg	
Acute inhalation toxicity	: Rat: 0,139 mg/l Exposure time: 4 h	
Acute dermal toxicity	: LD50 Rabbit: > 5 000 mg/kg	
Fatty acids, C14-18 and C16-1 Acute oral toxicity	8-unsatd. ∶ ∶ LD50 Rat: > 5 000 mg/kg	
Acute inhalation toxicity	 LC50 Rat: > 46 mg/l Exposure time: 1 h Test atmosphere: dust/mist 	

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Acute dermal toxicity	: LD50 Rabbit: >3 160 mg/kg	
Skin corrosion/irritation		
No data available		
Serious eye damage/eye irrita	ation	
No data available		
Respiratory or skin sensitisat	ion	
No data available		
Carcinogenicity		
No data available		
Toxicity to reproduction/fertil	ity	
No data available		
Reprod.Tox./Development/Ter	ratogenicity	
No data available		
STOT - single exposure		
No data available		
STOT - repeated exposure		
No data available		
Aspiration toxicity		
No data available		
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Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

Com	ponents:	

silicon dioxide (7631-86-9) :		
Toxicity to daphnia and other	:	(Daphnia (water flea)): 7 600 mg/l
aquatic invertebrates		
Toxicity to algae	:	(Chlorella pyrenoidosa (aglae)): 440 mg/l
		Exposure time: 72 h

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

No data available

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12.6 Other adverse effects

Product:

Additional ecological information

: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: In accordance with local and national regulations.
Contaminated packaging	: Empty containers should be taken to an approved waste
	handling site for recycling or disposal.
	In accordance with local and national regulations.

SECTION 14: Transport information

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Transport hazard class
- 14.4 Packing group
- 14.5 Environmental hazards

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

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No data available

SECTION 15: Regulatory information

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

Prohibition/Restriction	
REACH - Candidate List of Substances of Very High	: Not applicable
Concern for Authorisation (Article 59).	
Prohibition/Restriction	
Regulation (EC) No 1005/2009 on substances that	: Not applicable
deplete the ozone layer	
Prohibition/Restriction	
Regulation (EC) No 850/2004 on persistent organic pollutants	: Not applicable

15.2 Chemical safety assessment

No data available

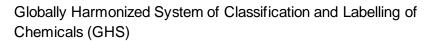
SECTION 16: Other information

Full text of H-Statements	
H228	: Flammable solid.
H303	: May be harmful if swallowed.
H313	: May be harmful in contact with skin.

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

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