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

STAPA 4000 Aluminium Paste

Version 3.0

Revision Date 04.12.2019

Print Date 25.02.2022

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

1.1 Product identifier

Trade name	:	STAPA 4000 Aluminium Paste
Material number	:	053394G60

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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Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

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
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48-9	Flam. Liq.;4;H227 Asp. Tox.;1;H304	25 - 50

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	: Move the victim to fresh air. Do not leave the victim unatt	: Move the victim to fresh air. Do not leave the victim unattended.	
	No hazards which require sp	ecial first aid measures.	
If inhaled	: If unconscious, place in recoradvice.	: If unconscious, place in recovery position and seek medical advice.	
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	If symptoms persist, call a physician.	
In case of skin contact	Wash off immediately with soap and plenty of wate	ər.
In case of eye contact	Immediately flush eye(s) with plenty of water.	
	Remove contact lenses. 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 p If symptoms persist, call a physician.	erson.

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.

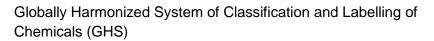
SECTION 5: Firefighting measures

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	e substance or mixture
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
5.3 Advice for firefighters		
Special protective equipment		Lise personal protective equipment

Special protective equipment : Use personal protective equipment.

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for firefighters			
	Wear self-contained breathing appa necessary.	ratus for firefighting if	
Further information	must not be discharged into drains.	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	

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	
Environmental precautions	: Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and materials for cor	ntainment 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.

6.4 Reference to other sections

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Keep in suitable, closed containers for disposal.

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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 source formation. Ensure adequate ver	
		For personal protection see sec drinking should be prohibited in	
Advice on protection against fire and explosion	:	Keep away from open flames, h ignition. Earthing of containers a	
		Normal measures for preventive	e fire protection.
Hygiene measures	:	General industrial hygiene prac	tice.
7.2 Conditions for safe storage,	incl	uding any incompatibilities	
Requirements for storage areas and containers	•	Store in original container. Keep cool, well-ventilated place. Keep use. Keep away from sources of	o container closed when not in
		Electrical installations / working the technological safety standar	
Further information on storage conditions	:	Protect from humidity and water	r. Do not allow to dry.
Advice on common storage	:	Do not store together with oxidi: Never allow product to get in co storage. Keep away from oxidiz and strongly acid materials in or reactions.	ntact with water during ing agents, strongly alkaline
Other data	:	No decomposition if stored and	applied as directed.
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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	
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 information			dangerous substan unds at the work pla on).			
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: excursion factor (category)		2;(II)				
Further information		Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	AGW	300 mg/m3	2017-11-30	DE TRGS 900	
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Peak-limit: excursion factor (category)	2;(II)
Further information	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26	
aluminium powder (stabilised)	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	1 mg/m3	2008-01-01	
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01	
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powder (stabilised)					
aluminium	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
powder	7423-30-3	TW/ (Total)	10 mg/mo	1000 01 10	
(stabilised)					
aluminium	7429-90-5	TWA	5 mg/m3	1989-01-19	
	7429-90-5	(Respirable	5 mg/m5	1909-01-19	
powder		fraction)			
(stabilised)	7400.00.5	,	45	2011 07 01	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
powder					
(stabilised)					
aluminium	7429-90-5	TWA (respirable	5 mg/m3	2011-07-01	
powder		fraction)			
(stabilised)					
aluminium	7429-90-5	TWA (Total	15 mg/m3	1989-01-19	
powder		dust)			
(stabilised)					
aluminium	7429-90-5	TWA (respirable	5 mg/m3	1989-01-19	
powder		dust fraction)			
(stabilised)					
aluminium	7429-90-5	TWA (welding	5 mg/m3	2013-10-08	
powder		fumes)			
, (stabilised)					
aluminium	7429-90-5	TWA (pyro	5 mg/m3	2013-10-08	
powder		powders)	5		
(stabilised)		. ,			
aluminium	7429-90-5	TWA	1 mg/m3	2013-03-01	
powder		(Respirable	J		
(stabilised)		fraction)			
aluminium	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
powder	1 120 00 0		eg,e		
(stabilised)					
aluminium	7429-90-5	PEL (Welding	5 mg/m3	2017-10-02	
powder	1723-30-3	fumes)	5 mg/m0		
(stabilised)					
aluminium	7429-90-5	PEL (Pyro	5 mg/m3	2017-10-02	
powder	1429-90-5	powders)	o mg/mo	2017-10-02	
(stabilised)					
(stabilised)					
			0000007		

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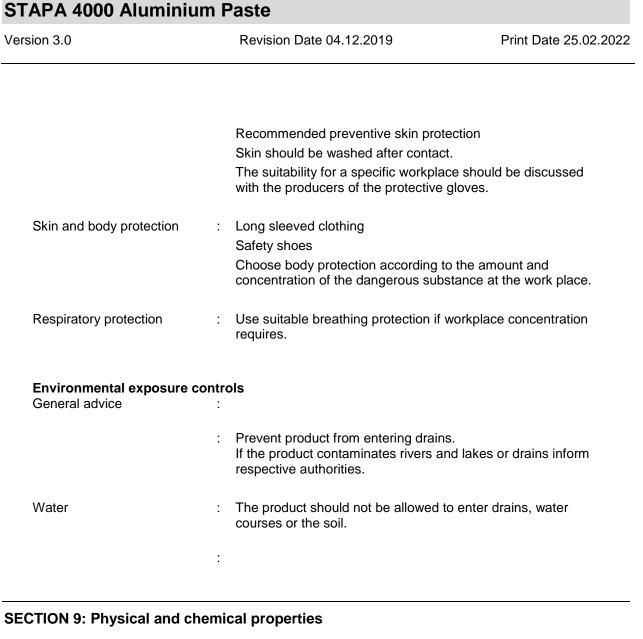
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Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	TWA	500 ppm 2 000 mg/m3	2007-01-01	
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48- 9	TWA	400 ppm 1 600 mg/m3	1989-01-19	

8.2 Exposure controls

	Personal protective equ	nal protective equipment			
	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.		
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9.1 Information on basic physical and chemical properties

Appearance	: Pasty solid
Colour	: silver

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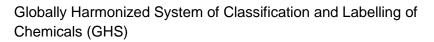
Odour	:	characteristic
рН	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Bulk density	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Auto-flammability	:	not auto-flammable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Density	:	1,3 - 2,0 g/cm3
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
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Explosive properties	:	Not explosive
9.2 Other information		

Self-Accelerating decomposition temperature

: No data available

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(SADT)		
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	 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	

Conditions to avoid : Do not allow to dry.

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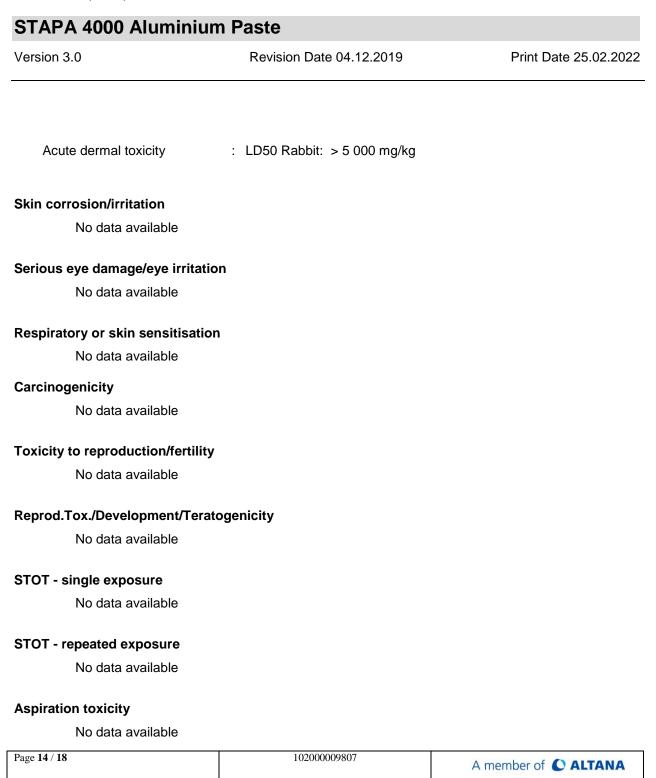
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	No data available	
10.5 Incompatible materials		
Materials to avoid	: Acids Bases Oxidizing agents Highly halogenated compounds	
10.6 Hazardous decomposition	products	
Hazardous decomposition products	: No data available	
Other information	: No data available	
SECTION 11: Toxicological in	nformation	
11.1 Information on toxicologic	al effects	
Acute toxicity		
Components:		
Naphtha (petroleum), hydro Acute oral toxicity	otreated heavy; Low boiling point ydrog : LD50 Rat: > 5 000 mg/kg	en treated naphtha :
A suite introduction to visit.	: LC50 Rat: Test atmosphere: vapour	
Acute innalation toxicity		

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concentration.

no mortality of rats was observed at the maximum achievable

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Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

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

12.6 Other adverse effects

Product:

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Additional ecological information	: No data available	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	: 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

No data available

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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).

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H227 :	Combustible liquid.
H228 :	Flammable solid.
H304 :	May be fatal if swallowed and enters airways.

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 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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