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

STAPA METALLIC 401 Aluminium Paste

Version 4.0	Revision Date 10.08.2023	Print Date 11.08.2023

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

1.1 Product identifier

Trade name	:	STAPA METALLIC 401 Aluminium Paste
Material number	:	057302G60M1

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

: Long-term (chronic) aquatic hazard, Category 3, H412

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GHS-Labelling

Hazard statements	:	H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:P273Avoid release to the environment.Disposal:P501Dispose of contents/ container to an approved waste disposal plant.

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 labelling	and C	oncentration[%]
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;	H228 50	0 - 100
Naphtha (petroleum), hydrotreated heavy	64742-48-9 918-481-9	Flam. Liq.;4;F Asp. Tox.;1;F		0 - 20
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;F Acute Tox.;5; Acute Tox.;5; STOT SE;3;F H336 Asp. Tox.;1;F	H303 H313 I335,	0 - 20
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Chronic;2;H411			Aquatic Chronic;2;H411	
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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. No hazards which require special first aid measures.
If inhaled	: If unconscious, place in recovery position and seek medical advice.
	If symptoms persist, call a physician.
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.
	Remove contact lenses.
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

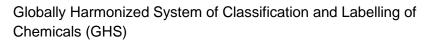
5.1 Extinguishing media

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

: Water, Foam, ABC powder, Carbon dioxide (CO2)

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		 Contraction of the second state o



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media

5.2 Special hazards arising from the 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 for firefighters	:	Use personal protective equipment.
		Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	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.
	Avoid dust iornation.

6.2 Environmental precautions

Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil.
	Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

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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	9			
Advice on safe handling	:	Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation.		
		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 practice.		
7.2 Conditions for safe storage, i	inc	luding 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 the technological safety standar		
Further information on storage conditions	:	Protect from humidity and wate	r. Do not allow to dry.	
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Advice on common storage	: Do not store together with oxidizing Never allow product to get in contac storage. Keep away from oxidizing a and strongly acid materials in order reactions.	t with water during agents, strongly alkaline
Other data	: No decomposition if stored and appl	lied as directed.

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	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (category		2;(II)			
Further informa	ation		ompliance with the 0 no risk of harming th		cal tolerance
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (category		2;(II)			
Further informa					cal tolerance
Naphtha (petroleum), hydrotreated	64742-48- 9	AGW	300 mg/m3	2017-11-30	DE TRGS 900
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heavy Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	n Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			also No. 2.9
Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 mg/m3	2009-02-16	DE TRGS 900
	Peak-limit: excursion 2;(II) factor (category)				
miz			limit for hydrocarbo ssion for dangerous)		also No. 2.9

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
aluminium	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26	
aluminium	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2008-01-01	
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01	
aluminium	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
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aluminium	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01
aluminium	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19
aluminium	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08
aluminium	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01
aluminium	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19
aluminium	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02
aluminium	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02
aluminium	7429-90-5	TWA (powder)	5 mg/m3	1989-01-19
Naphtha (petroleum), hydrotreated heavy	64742-48- 9	TWA	500 ppm 2 000 mg/m3	2007-01-01
Naphtha (petroleum), hydrotreated heavy	64742-48- 9	TWA	400 ppm 1 600 mg/m3	1989-01-19
Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	500 ppm 2 000 mg/m3	2007-01-01
Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	200 mg/m3	2010-03-01
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Version 4.0	Revision Date 10.08.2023		Print Date 11.08.2023	3		
Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	400 ppm 1 600 mg/m3	1989-01-19		
8.2 Exposure cont	rols					

Personal protective equipment

i cisoliai protective equipi	icin	
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 controls

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General advice : The product should not be allowed to enter drains, water courses or the soil. : Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.	Version 4.0	Revision Date 10.08.2023	Print Date 11.08.2023
	General advice	courses or the soil.Prevent product from entering drainsIf the product contaminates rivers an	5.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Pasty solid
Colour	: silver
Odour	: characteristic
pH	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: 140 - 200 °C
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

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Partition coefficient: n-octand	l/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
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

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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.

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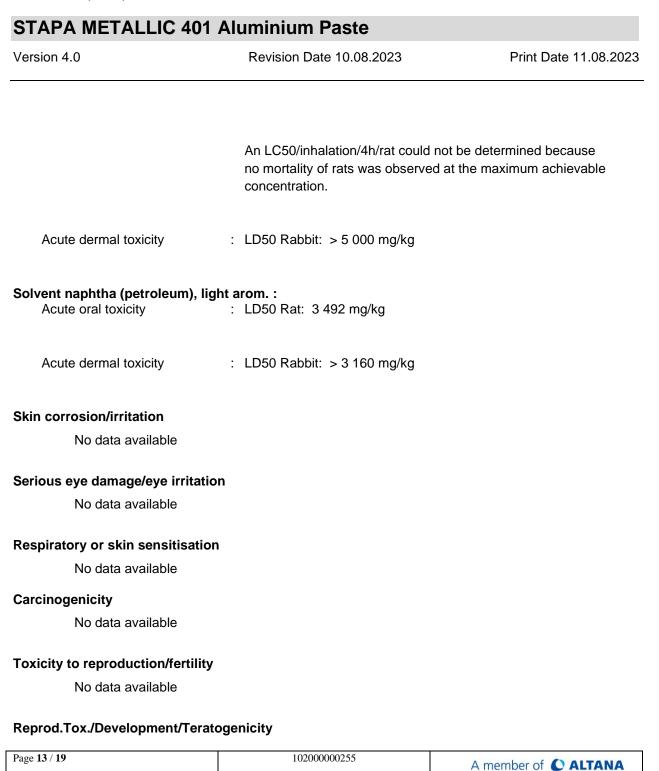
10.3 Possibility of hazardous reactions

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. No data available
10.5 Incompatible materials	
Materials to avoid	: Acids Bases Oxidizing agents Highly halogenated compounds
10.6 Hazardous decomposition pro	oducts
Other information	: No data available
SECTION 11: Toxicological info	ormation
11.1 Information on toxicological e	ffects
Acute toxicity	
Components:	
Naphtha (petroleum), hydrotreated Acute oral toxicity	l heavy : : LD50 Rat: >5 000 mg/kg

Acute inhalation toxicity : LC50 Rat: Test atmosphere: vapour

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No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

<u>Components:</u> Solvent naphtha (petroleum), light arom. (64742-95-6) : Ecotoxicology Assessment

Long-term (chronic) aquatic : Toxic to aquatic life with long lasting effects. hazard

12.2 Persistence and degradability

No data available

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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:

Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		unprofessional handling or disposal., Harmful 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.
Contaminated packaging	In accordance with local and national regulations. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number

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ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

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Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods
I4.4 Packing group
ADR
Not dangerous goods
TDG
Not dangerous goods
CFR
Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

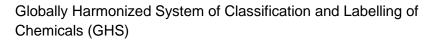
14.5 Environmental hazards

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

: Not applicable

: Not applicable

: Not applicable

: Banned and/or restricted

treated naphtha)

arom.)

(aluminium powder (stabilised))

(Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen

(Solvent naphtha (petroleum), light

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). Regulation (EC) No 1005/2009 on substances that deplete the ozone layer Regulation (EU) 2019/1021 on persistent organic pollutants (recast) REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

TA Luft List (Germany) : Paragraph 5.2.5:

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

H228 H303	: Flammable solid. : May be harmful if swallowed.
H304 H313	May be fatal if swallowed and enters airways.May be harmful in contact with skin.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.



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H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful 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 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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