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

STAPA HCP 6345 Aluminium Paste

Revision Date 21.04.2022 Version 5.0 Print Date 15.04.2024

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

1.1 Product identifier

Trade name	:	STAPA HCP 6345 Aluminium Paste
Material number	:	052458GD0

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

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

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GHS-Labelling

U		
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 Concentration[%]
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H	1228 50 - 100
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48-9 918-481-9	Flam. Liq.;4;F Asp. Tox.;1;H	
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;F Acute Tox.;5; Acute Tox.;5; STOT SE;3;H H336 Asp. Tox.;1;H	H303 H313 335,
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Aquatic Chronic;2;H411	

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 unattended. No hazards which require special first aid measures.
lf 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 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	: Water, Foam, ABC powder, Carbon dio	xide (CO2)
5.2 Special hazards arising from	the substance or mixture	
Specific hazards during firefighting	: Do not allow run-off from fire fighting to courses.	enter drains or water
5.3 Advice for firefighters		
Special protective equipment for firefighters	: Use personal protective equipment.	
	Wear self-contained breathing apparatune necessary.	is for firefighting if
Further information	: Collect contaminated fire extinguishing must not be discharged into drains. Fire contaminated fire extinguishing water m accordance with local regulations.	e residues and

SECTION 6: Accidental release measures

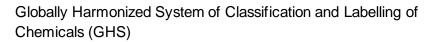
6.1 Personal precautions, protective equipment and emergency procedures

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 containment and cleaning up

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Methods for cleaning up	 Use mechanical handling equipment. Soak up with inert absorbent material (e acid binder, universal binder, sawdust). Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for o Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for o 	disposal.
6.4 Reference to other sections		
For personal protection see se	ction 8.	
SECTION 7: Handling and stor	rage	
7.1 Precautions for safe handling	I	
Advice on safe handling	: Keep away from heat and sources of ig formation. Ensure adequate ventilation.	nition. Avoid dust
	For personal protection see section 8. S drinking should be prohibited in the app	
Advice on protection against fire and explosion	: Keep away from open flames, hot surfa- ignition. Earthing of containers and app	
	Normal measures for preventive fire pro	tection.
Hygiene measures	: General industrial hygiene practice.	
7.2 Conditions for safe storage, i	ncluding any incompatibilities	
Requirements for storage areas and containers	: Store in original container. Keep contair cool, well-ventilated place. Keep contair use. Keep away from sources of ignition	ner closed when not in
	Electrical installations / working material the technological safety standards.	s must comply with

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Further information on storage conditions	: Protect from humidity and water. Do	not allow to dry.	
Advice on common storage	: Do not store together with oxidizing a Never allow product to get in contact storage. Keep away from oxidizing ag and strongly acid materials in order to reactions.	with water during gents, strongly alkaline	
Other data	: No decomposition if stored and applied	ed as directed.	
7.2 Creatific and was(a)			

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 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	Peak-limit: excursion factor (category)				•
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (categor	Peak-limit: excursion				
Naphtha (petroleum), hydrotreated heavy; Low	64742-48- 9	AGW	300 mg/m3	2017-11-30	DE TRGS 900
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boiling point ydrogen treated naphtha					
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		limit for hydrocarb ssion for dangerous 0		e also No. 2.9
Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		e limit for hydrocarb ssion for dangerous)		e also No. 2.9

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	
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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 particulate matter)	1 mg/m3	2008-01-01
aluminium powder (stabilised)	7429-90-5	TWA	5 mg/m3	2005-09-01
aluminium powder (stabilised)	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01
aluminium powder (stabilised)	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19
aluminium powder (stabilised)	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19
aluminium powder (stabilised)	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08
aluminium powder	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08
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(stabilised)					<u> </u>
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01	
aluminium powder (stabilised)	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium powder (stabilised)	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02	
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	
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	
Solvent	64742-95-	TWA	400 ppm	1989-01-19	
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naphtha (petroleum), light arom.	6		1 600 mg/m3		
stearic acid	57-11-4	TWA	10 mg/m3	2016-03-01	
stearic acid	57-11-4	TWA (Inhalable particulate matter)	10 mg/m3	2018-03-20	
stearic acid	57-11-4	TWA (Respirable particulate matter)	3 mg/m3	2018-03-20	

8.2 Exposure controls

Personal protective equipme	ent	
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

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STAPA HCP 6345 Aluminium Paste Revision Date 21.04.2022 Version 5.0 Print Date 15.04.2024 Choose body protection according to the amount and concentration of the dangerous substance at the work place. Use suitable breathing protection if workplace concentration Respiratory protection : requires. Environmental exposure controls General advice 2 Prevent product from entering drains. : If the product contaminates rivers and lakes or drains inform respective authorities. 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

Appearance	:	Pasty solid
Colour	:	silver
Odour	:	characteristic
рН	:	substance/mixture is non-soluble (in water)
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	65 °C
Bulk density	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Auto-flammability	:	not auto-flammable
Upper explosion limit	:	No data available

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Lower explosion limit	: No data available	
Vapour pressure	: No data available	

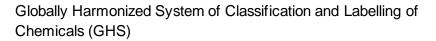
Density	: 1,3 - 2,0 g/cm3
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, 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 (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

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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.
	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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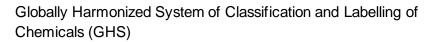


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SECTION 11: Toxicologica	Information	
11.1 Information on toxicologi	ical effects	
Acute toxicity		
Components:		
Naphtha (petroleum), hyd	lrotreated heavy; Low boiling point ydrog	en treated naphtha :
Acute oral toxicity	: LD50 Rat: > 5 000 mg/kg	
Acute inhalation toxicity	: LC50 Rat: Test atmosphere: vapour	
	An LC50/inhalation/4h/rat could not a no mortality of rats was observed at concentration.	
Acute dermal toxicity	: LD50 Rabbit: > 5 000 mg/kg	
Solvent naphtha (petroleu Acute oral toxicity	um), light arom. : : LD50 Rat: 3 492 mg/kg	
Acute dermal toxicity	: LD50 Rabbit: > 3 160 mg/kg	
Skin corrosion/irritation		
No data available		
Serious eye damage/eye irrita	tion	
No data available		
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Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

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

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SECTION 12: Ecological information

12.1 Toxicity

Components:

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

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 unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

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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

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

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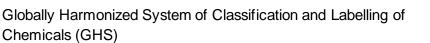
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IATA Not dangerous goods I4.3 Transport hazard class ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods IATA Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods CFR Not dangerous goods IDG Not dangerous goods IMDG Not dangerous goods	1	Not dangerous goods	
 14.3 Transport hazard class ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods 14.4 Packing group ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IDG Not dangerous goods IMDG Not dangerous goods IMDG Not dangerous goods IDG Not dangerous goods IMDG Not dangerous goods IMDG Not dangerous goods IMDG Not dangerous goods 			
ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods 14.4 Packing group ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods	1	Not dangerous goods	
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TDGNot dangerous goodsCFRNot dangerous goodsIMDGNot dangerous goodsIATANot dangerous goods14.4 Packing groupADRNot dangerous goodsTDGNot dangerous goodsCFRNot dangerous goodsIMDGNot dangerous goodsIMDGNot dangerous goodsIMDGNot dangerous goods		ADR	
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ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods	1	Not dangerous goods	
Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods	14.4	Packing group	
TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods	1	ADR	
Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods	1	Not dangerous goods	
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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

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 Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	 Banned and/or restricted (aluminium powder (stabilised)) (Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha) (Solvent naphtha (petroleum), light

arom.)

15.2 Chemical safety assessment

No data available

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SECTION 16: Other information

Full text of H-Statements	
H226	: Flammable liquid and vapour.
H227	: Combustible liquid.
H228	: Flammable solid.
H303	: May be harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H313	: May be harmful in contact with skin.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

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