

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

STAPA HYDROXAL V CHROMAL VIII Aluminium Paste

Version 3.0

Revision Date 22.09.2021

Print Date 21.02.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : STAPA HYDROXAL V CHROMAL VIII Aluminium Paste
Material number : 024058KA0

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**

: Short-term (acute) aquatic hazard, Category 3, H402
Long-term (chronic) aquatic hazard, Category 3, H412

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GHS-Labeling

Hazard statements : H412: Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.
Disposal:
P501 Dispose 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 and labelling	Concentration[%]
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	50 - 100
Phosphoric acid, C11-14-isoalkyl esters, C13-rich	154518-38-4 (52933-07-0)	;2;H315 ;1;H318 Aquatic Acute;2;H401 Aquatic Chronic;2;H411	3 - 10
Fatty acids, C14-18 and C16-18- unsatd.	67701-06-8 266-930-6	Acute Tox.;5;H313	1 - 10

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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.
Do not leave the victim unattended.
- 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.

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SECTION 5: Firefighting measures**5.1 Extinguishing media**

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

Unsuitable extinguishing media : ABC powder, Carbon dioxide (CO₂), Water, Foam**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Contact with water liberates extremely flammable gas (hydrogen).

Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : 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.
Avoid dust formation.**6.2 Environmental precautions**

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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

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 : For personal protection see section 8. Smoking, eating and
drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a
cool, well-ventilated place. Keep away from sources of ignition
- No smoking. Keep container closed when not in use.

Electrical installations / working materials must comply with
the technological safety standards.

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Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Keep away from oxidizing agents and strongly acid or alkaline materials. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data : No decomposition if stored and applied as 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 exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m ³	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m ³	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
2,2',2''-nitrilotriethanol	102-71-6	AGW (Inhalable fraction)	1 mg/m ³	2018-06-07	DE TRGS 900
Peak-limit: excursion factor (category)		1;(I)			
Further information		Senate commission for the review of compounds at the work			

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	place dangerous for the health (MAK-commission).When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child
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8.2 Exposure controls**Personal protective equipment**

Eye protection : Goggles

: Safety glasses

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Environmental exposure controls

General advice :

: 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.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : Pasty solid

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Colour	: silver
Odour	: characteristic
pH	: substance/mixture is non-soluble (in water)
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	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: 1,3 - 2,0 g/cm ³
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: partly miscible
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

9.2 Other information

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 : Contact with acids and alkalis may release hydrogen.

Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.

No data available

10.5 Incompatible materials

Materials to avoid : Acids
Bases
Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : No data available

Other information : No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

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Acute toxicity**Components:****Fatty acids, C14-18 and C16-18-unsatd. :**

Acute oral toxicity : LD50 Rat: > 5 000 mg/kg

Acute inhalation toxicity : LC50 Rat: > 46 mg/l

Exposure time: 1 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Rabbit: > 3 160 mg/kg

Skin corrosion/irritation**Product**

Result: No skin irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation**Product**

Result: No eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

No data available

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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

SECTION 12: Ecological information**12.1 Toxicity**

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Components:**Phosphoric acid, C11-14-isoalkyl esters, C13-rich (154518-38-4) :**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 6,31 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (algae): 150 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

12.6 Other adverse effects**Product:**

Additional ecological information	: 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.
In accordance with local and national regulations.
- Contaminated packaging : 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

:

IATA

: Not permitted for transport

14.2 Proper shipping name**ADR**

Not dangerous goods

TDG

Not dangerous goods

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CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

Not permitted for transport

14.3 Transport hazard class**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

Not permitted for transport

14.4 Packing group**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

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(Cargo) : Not permitted for transport

(Passenger) : Not permitted for transport

14.5 Environmental hazards**14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

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****Prohibition/Restriction**

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

Prohibition/Restriction

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Prohibition/Restriction

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on : Banned and/or restricted

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the market and use of certain dangerous substances,
preparations and articles (Annex XVII)

(aluminium powder (stabilised))
(Phosphoric acid, C11-14-isoalkyl
esters, C13-rich)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information**Full text of H-Statements**

H228	: Flammable solid.
H313	: May be harmful in contact with skin.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H401	: Toxic to aquatic life.
H402	: Harmful to aquatic life.

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.

SAFETY DATA SHEET



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