

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

## STAPA Hydropor N 903 Aluminium Paste

Version 3.0

Revision Date 12.02.2020

Print Date 29.11.2024

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

#### 1.1 Product identifier

Trade name : STAPA Hydropor N 903 Aluminium Paste  
Material number : 005127U80

#### 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 dangerous substance according to GHS.

#### GHS-Labeling

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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 name : HYDROPOR N 1003

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, mono- and bis(C16-20-branched and linear alkyl) esters	97468-33-2	Skin Sens.;1B;H317 Aquatic Chronic;4;H413	0,25 - 1

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 : No hazards which require special first aid measures.  
Move the victim to fresh air.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical

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	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	: Remove contact lenses.
	If eye irritation persists, consult a specialist.
	Immediately flush eye(s) with plenty of water.
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

Unsuitable extinguishing media : Water, Foam, Carbon dioxide (CO<sub>2</sub>), ABC powder

### 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 equipment.

Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing

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measures that are appropriate to local circumstances and the  
surrounding environment.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.  
Evacuate personnel to safe areas.  
Use personal protective equipment.

#### 6.2 Environmental precautions

This information is not available.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Sweep up and shovel.  
Do not flush with water.  
Keep in suitable, closed containers for disposal.  
Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).

#### 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 sources of ignition. Avoid dust  
formation. Ensure adequate ventilation.

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

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Advice on protection against fire and explosion : Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment.

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

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.

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 and self-igniting products. Never allow product to get in contact with water during storage. 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:

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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	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).				
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	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).				

**8.2 Exposure controls****Personal protective equipment**

Eye protection : Safety glasses

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

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

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- 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  
: Protective suit
- Respiratory protection : Use suitable breathing protection if workplace concentration requires.

**Environmental exposure controls**

- 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
- pH : 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

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Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
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 Vapours may form explosive mixture with air.

**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.  
Vapours may form explosive mixture with air.

Stable under recommended storage conditions.

**10.4 Conditions to avoid**

Conditions to avoid : No data available  
Do not allow to dry.

**10.5 Incompatible materials**


Materials to avoid : Acids  
Bases  
Oxidizing agents  
Highly halogenated compounds

**10.6 Hazardous decomposition products**

Other information : No data available

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

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**Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Carcinogenicity**

No data available

**Toxicity to reproduction/fertility**

No data available

**Reprod.Tox./Development/Teratogeni city**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

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No data available

**Further information****Product**

No data available

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**SECTION 12: Ecological information****12.1 Toxicity****Components:**

**Phosphoric acid, mono- and bis(C16-20-branched and linear alkyl) esters (97468-33-2) :**

**Ecotoxicology Assessment**

Long-term (chronic) aquatic hazard : May cause long lasting harmful effects to aquatic life.

**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 : No data available  
information**SECTION 13: Disposal considerations****13.1 Waste treatment methods**Contaminated packaging : Empty containers should be taken to an approved waste  
handling site for recycling or disposal.**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**

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Not dangerous goods

**TDG**

Not dangerous goods

**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

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### IMDG

Not dangerous goods

### IATA

(Cargo) : Not permitted for transport

(Passenger) : Not permitted for transport

### 14.5 Environmental hazards

### 14.6 Special precautions for user

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

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 (EC) No 850/2004 on persistent organic pollutants : Not applicable

### 15.2 Chemical safety assessment

No data available

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### SECTION 16: Other information

#### Full text of H-Statements

H228	: Flammable solid.
H317	: May cause an allergic skin reaction.
H413	: May cause long lasting harmful effects 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.