

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

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

Trade name : STAPA NDF 170 Aluminium Paste  
Material number : 050950G60

**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**

: Skin corrosion/irritation, Category 3, H316  
Short-term (acute) aquatic hazard, Category 3, H402  
Long-term (chronic) aquatic hazard, Category 3, H412

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

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

**GHS-Labeling**

Signal word : Warning

Hazard statements : H316: Causes mild skin irritation.  
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Response:**  
P332 + P317 If skin irritation occurs: Get medical help.  
**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	7429-90-5 231-072-3	Flam. Sol.;1;H228	50 - 100
Distillates (petroleum), hydrotreated light	64742-47-8	Flam. Liq.;4;H227 ;3;H316 Asp. Tox.;1;H304	10 - 20

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023


Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;H226 STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Acute;2;H401 Aquatic Chronic;2;H411	2,5 - 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. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.
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. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. 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**

Page 3 / 21	102000001183	A member of  <b>ALTANA</b>
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**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

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

**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.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas.

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Use personal protective equipment.  
Remove all sources of ignition.  
Use personal protective equipment.  
Avoid dust formation.  
Remove all sources of ignition.

### 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.  
Prevent further leakage or spillage if safe to do so.  
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).  
Do not flush with water.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

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## 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.

Avoid formation of respirable particles. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition. Earthing of containers and apparatuses is essential.

Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 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 container closed when not in use. Keep away from sources of ignition - No smoking.

No smoking. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

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.

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Distillates (petroleum), hydrotreated light	64742-47-8	AGW	300 mg/m <sup>3</sup>	2017-11-30	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Group exposure limit for hydrocarbon solvent mixtures Commission for dangerous substances See also No. 2.9 of the TRGS 900			
Distillates (petroleum), hydrotreated light	64742-47-8	AGW	300 mg/m <sup>3</sup>	2020-10-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Solvent naphtha (petroleum), light arom.	64742-95-6	AGW	100 mg/m <sup>3</sup>	2009-02-16	DE TRGS 900
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			
Solvent naphtha (petroleum), light arom.	64742-95-6	AGW	100 mg/m <sup>3</sup>	2009-02-16	DE TRGS 900
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	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium	7429-90-5	TWA (Respirable)	5 mg/m <sup>3</sup>	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m <sup>3</sup>	2012-07-01	
aluminium	7429-90-5	TWA (total)	10 mg/m <sup>3</sup>	2013-10-08	
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m <sup>3</sup>	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/m <sup>3</sup>	2014-11-26	
aluminium	7429-90-5	PEL (respirable dust fraction)	5 mg/m <sup>3</sup>	2014-11-26	



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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	2008-01-01	
aluminium	7429-90-5	TWA	5 mg/m <sup>3</sup>	2005-09-01	
aluminium	7429-90-5	TWA (Total)	15 mg/m <sup>3</sup>	1989-01-19	
aluminium	7429-90-5	TWA (Respirable fraction)	5 mg/m <sup>3</sup>	1989-01-19	
aluminium	7429-90-5	TWA (total dust)	15 mg/m <sup>3</sup>	2011-07-01	
aluminium	7429-90-5	TWA (respirable fraction)	5 mg/m <sup>3</sup>	2011-07-01	
aluminium	7429-90-5	TWA (Total dust)	15 mg/m <sup>3</sup>	1989-01-19	
aluminium	7429-90-5	TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	1989-01-19	
aluminium	7429-90-5	TWA (welding fumes)	5 mg/m <sup>3</sup>	2013-10-08	
aluminium	7429-90-5	TWA (pyro powders)	5 mg/m <sup>3</sup>	2013-10-08	
aluminium	7429-90-5	TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	2013-03-01	
aluminium	7429-90-5	TWA (Fumes)	5 mg/m <sup>3</sup>	1989-01-19	
aluminium	7429-90-5	PEL (Welding fumes)	5 mg/m <sup>3</sup>	2017-10-02	
aluminium	7429-90-5	PEL (Pyro powders)	5 mg/m <sup>3</sup>	2017-10-02	
aluminium	7429-90-5	TWA (powder)	5 mg/m <sup>3</sup>	1989-01-19	
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2 000 mg/m <sup>3</sup>	2007-01-01	
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	200 mg/m <sup>3</sup>	2010-03-01	
Distillates (petroleum),	64742-47-8	TWA	400 ppm 1 600 mg/m <sup>3</sup>	1989-01-19	

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

hydrotreated light					
Distillates (petroleum), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	2018-03-15	
Distillates (petroleum), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	1989-01-19	
Distillates (petroleum), hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	2019-10-04	
Distillates (petroleum), hydrotreated light	64742-47-8	ST (Mist)	10 mg/m <sup>3</sup>	2019-10-04	
Distillates (petroleum), hydrotreated light	64742-47-8	PEL (particulate)	5 mg/m <sup>3</sup>	2017-12-05	
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	500 ppm 2 000 mg/m <sup>3</sup>	2007-01-01	
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	500 ppm 2 000 mg/m <sup>3</sup>	2007-01-01	
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	200 mg/m <sup>3</sup>	2010-03-01	
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	200 mg/m <sup>3</sup>	2010-03-01	

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	400 ppm 1 600 mg/m <sup>3</sup>	1989-01-19	
Solvent naphtha (petroleum), light arom.	64742-95-6	TWA	400 ppm 1 600 mg/m <sup>3</sup>	1989-01-19	

### 8.2 Exposure controls

#### Personal 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.

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.

: 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

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

concentration of the dangerous substance at the work place.  
: 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**

General advice : The product should not be allowed to enter drains, water  
courses or the soil.  
: Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

**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

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Vapour pressure	: No data available
Density	: 1,3 - 2,0 g/cm <sup>3</sup>
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	: 240 °C
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**

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.

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

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.  
Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Acids  
Bases  
Oxidizing agents  
Highly halogenated compounds

### 10.6 Hazardous decomposition products

Other information : No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

##### Product

May cause skin irritation in susceptible persons.

#### Serious eye damage/eye irritation

##### Product

Product dust may be irritating to eyes, skin and respiratory system.

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

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

**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

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

**SECTION 12: Ecological information****12.1 Toxicity****Components:****Solvent naphtha (petroleum), light arom. (64742-95-6) :****Ecotoxicology Assessment**

Short-term (acute) aquatic hazard : Toxic to aquatic life.

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

**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.



**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

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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. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

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**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**

**STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

Not dangerous goods

**14.2 Proper shipping name****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

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**

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

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

## 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
REACH - List of substances subject to authorisation (Annex XIV)	: 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	: Banned and/or restricted

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

## STAPA NDF 170 Aluminium Paste

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

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

(aluminium powder (stabilised))  
(Distillates (petroleum), hydro-treated light; Kerosine — unspecified)  
(Solvent naphtha (petroleum), light arom.)  
(1,2,4-trimethylbenzene)

### 15.2 Chemical safety assessment

No data available

## SECTION 16: Other information

### Full text of H-Statements

H226	: Flammable liquid and vapour.
H227	: Combustible liquid.
H228	: Flammable solid.
H304	: May be fatal if swallowed and enters airways.
H316	: Causes mild skin irritation.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H401	: Toxic to aquatic life.
H402	: Harmful to aquatic life.
H411	: Toxic 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.

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

## **STAPA NDF 170 Aluminium Paste**

Version 5.0

Revision Date 04.05.2023

Print Date 05.05.2023

---