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 03.12.2024

#### 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

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Signal word	:	Warning
Hazard statements	:	H316: Causes mild skin irritation. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:P273Avoid release to the environment.Response:P332 + P317If skin irritation occurs: Get medical help.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[%	6]
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;F	H228 50 - 100	
Distillates (petroleum), hydrotreated light	64742-47-8	Flam. Liq.;4;F ;3;H316 Asp. Tox.;1;H		
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Solvent naphtha (petroleum),	64742-95-6	Flam. Liq.;3;H226	2,5 - 10
light arom.	918-668-5	STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Acute;2;H401 Aquatic Chronic;2;H411	2,0 10

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	<ul> <li>Wash off immediately with soap and plenty of water.</li> <li>If skin irritation persists, call a physician.</li> <li>If on skin, rinse well with water.</li> <li>If on clothes, remove clothes.</li> </ul>
In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty of water.</li> <li>Flush eyes with water as a precaution.</li> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialist.</li> </ul>
If swallowed	<ul> <li>Keep respiratory tract clear.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> <li>If symptoms persist, call a physician.</li> </ul>

#### 4.2 Most important symptoms and effects, both acute and delayed

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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, ABC powder, Carbon dioxide (CO2)

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during	:	Do not allow run-off from fire fighting to enter drains or water
firefighting		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.	

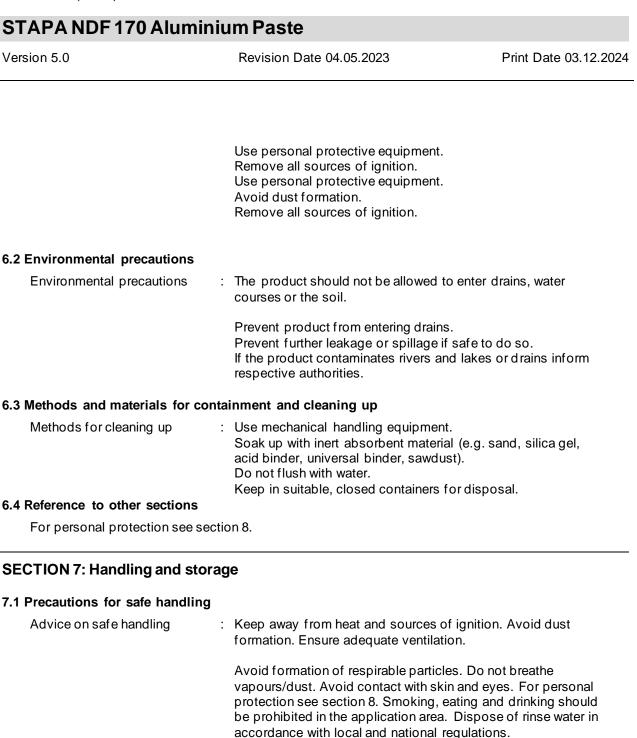
#### **SECTION 6: Accidental release measures**

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

Personal precautions	: Evacuate personnel to safe areas.		
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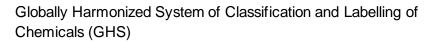


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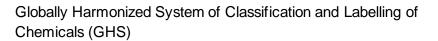


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Advice on protection against fire and explosion	: Keep away from open flames, hot so ignition. Earthing of containers and a	
	Avoid dust formation. Keep away fro surfaces and sources of ignition.	om open flames, hot
Hygiene measures	: When using do not eat or drink. Whe Wash hands before breaks and at th	
2 Conditions for safe storage, i	ncluding any incompatibilities	
Requirements for storage areas and containers	: Store in original container. Keep con cool, well-ventilated place. Keep con use. Keep away from sources of ign	ntainer closed when not in
	No smoking. Keep container tightly overtilated place. Electrical installation must comply with the technological states of the second s	ons / working materials
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 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

## 7.3 Specific end use(s)

This information is not available.

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## **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/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		ompliance with the no risk of harming th	•	ical tolerance
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation	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/m3	2017-11-30	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information			limit for hydrocarbo ssion for dangerous )		e also No. 2.9
Distillates (petroleum), hydrotreated light	64742-47- 8	AGW	300 mg/m3	2020-10-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			

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Further inform	ation	When there is compliance with the OEL and biological to values, there is no risk of harming the unborn child			-
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	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/m3	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/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	
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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
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
Distillates	64742-47-	TWA	500 ppm	2007-01-01
(petroleum), hydrotreated light	8		2 000 mg/m3	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA	200 mg/m3	2010-03-01
Distillates (petroleum),	64742-47- 8	TWA	400 ppm 1 600 mg/m3	1989-01-19

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hydrotreated light					
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA (Mist)	5 mg/m3	2018-03-15	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA (Mist)	5 mg/m3	1989-01-19	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA (Mist)	5 mg/m3	2019-10-04	
Distillates (petroleum), hydrotreated light	64742-47- 8	ST (Mist)	10 mg/m3	2019-10-04	
Distillates (petroleum), hydrotreated light	64742-47- 8	PEL (particulate)	5 mg/m3	2017-12-05	
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	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 naphtha (petroleum), light arom.	64742-95- 6	TWA	200 mg/m3	2010-03-01	

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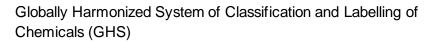
# STAPA NDF 170 Aluminium Paste

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Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	400 ppm 1 600 mg/m3	1989-01-19	
Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	400 ppm 1 600 mg/m3	1989-01-19	

#### 8.2 Exposure controls

Personal protective equipme	ent		
Eye protection	:	Safety glasses	
Hand protection			
Material	:	Solvent-resistant gloves	
Remarks Skin and body protection	:	Solvent-resistant gloves Take note of the information given by the producer concer- permeability and break through times, and of special workplace conditions (mechanical strain, duration of cont 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 discuss with the producers of the protective gloves. The suitability for a specific workplace should be discuss with the producers of the protective gloves. Long sleeved clothing Safety shoes	
		Choose body protection accord	ling to the amount and
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Respiratory protection	<ul> <li>concentration of the dangerous subs</li> <li>Choose body protection according to concentration of the dangerous subs</li> <li>Use suitable breathing protection if v requires.</li> </ul>	o the amount and stance at the work place.
Environmental exposure	controls	
General advice	<ul> <li>The product should not be allowed to courses or the soil.</li> <li>Prevent product from entering drains Prevent further leakage or spillage if If the product contaminates rivers an respective authorities.</li> </ul>	safe to do so.

## **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	:	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

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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	:	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

## **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	<ul> <li>Reacts with alkalis, acids, halog Contact with acids and alkalis r Mixture reacts slowly with wate hydrogen.</li> </ul>	nay release hydrogen.
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	Vapour/air-mixtures are explosive at inter	ise warming.
	Stable under recommended storage cond	litions.
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		

: No data available

# SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

Other information

#### **Product**

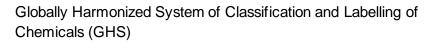
May cause skin irritation in susceptible persons.

#### Serious eye damage/eye irritation

#### Product

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

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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 AssessmentShort-term (acute) aquaticShort-term (acute) aquatic: Toxic to aquatic life.hazardLong-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

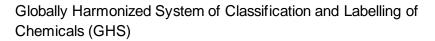
#### 12.6 Other adverse effects

#### Product:

Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		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	<ul> <li>The product should not be allowed to enter drains, water courses or the soil.</li> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> </ul>
Contaminated packaging	<ul> <li>Send to a licensed waste management company.</li> <li>In accordance with local and national regulations.</li> <li>Empty remaining contents.</li> <li>Dispose of as unused product.</li> <li>Do not re-use empty containers.</li> <li>Do not burn, or use a cutting torch on, the empty drum.</li> <li>In accordance with local and national regulations.</li> </ul>

#### **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

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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



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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 Society Concern for Authorisation (Art		: Not applicable	
REACH - List of substances s		: Not applicable	
(Annex XIV) Regulation (EC) No 1005/2009	) on substances that	: Not applicable	
deplete the ozone layer		. Not applicable	
Regulation (EU) 2019/1021 or pollutants (recast)	n persistent organic	: Not applicable	
REACH - Restrictions on the	manufacture, placing on	: Banned and/or restricted	
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the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

(aluminium powder (stabilised)) (Distillates (petroleum), hydrotreated 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 H227 H228 H304 H316 H335 H336 H401 H402	<ul> <li>Flammable liquid and vapour.</li> <li>Combustible liquid.</li> <li>Flammable solid.</li> <li>May be fatal if swallowed and enters airways.</li> <li>Causes mild skin irritation.</li> <li>May cause respiratory irritation.</li> <li>May cause drowsiness or dizziness.</li> <li>Toxic to aquatic life.</li> <li>Harmful to aquatic life.</li> </ul>
H402 H411	<ul><li>Harmful to aquatic life.</li><li>Toxic to aquatic life with long lasting effects.</li></ul>

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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