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

STAPA NDF 150 Aluminium Paste

Version 4.0

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 150 Aluminium Paste
Material number	:	052177AR0

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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	Long-term (chronic) aquatic hazard, Categor	y 3, H412

GHS-Labelling 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:

If skin irritation occurs: Get medical help.

P501 Dispose of contents/ container to an approved waste

P332 + P317

disposal plant.

Disposal:

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

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Distillates (petroleum), hydrotreated light	64742-47-8	Flam. Liq.;4;H22 ;3;H316	27 20 - 25
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H22	28 50 - 100
Chemical name	CAS-No. EINECS-No.	Classification an labelling	d Concentration[%]



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		Asp. Tox.;1;H304	
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
1,2,4-trimethylbenzene	95-63-6 202-436-9	Flam. Liq.;3;H226 Acute Tox.;4;H332 Skin Irrit.;2;H315 Eye Irrit.;2B;H320 STOT SE;3;H335 Aquatic Chronic;2;H411	1 - 2,5

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	 Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. 	
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.	
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If swallowed	 Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsult 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, ABC powder, Carbon dioxide (CO2)

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 equipm	ent.
		Wear self-contained breathing a necessary.	apparatus for firefighting if
Further information	:	Collect contaminated fire exting	uishing water separately. This
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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

Perso	onal precautions	:	Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition. Use personal protective equipment. Avoid dust formation. Remove all sources of ignition.
			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 c	ontainment 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 exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
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, in	cl	uding 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. Observe label precautions. 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.

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Advice on common storage	: Do not store together with oxidizing a Never allow product to get in contact storage. Keep away from oxidizing a and strongly acid materials in order to reactions.	with water during gents, strongly alkaline
Other data	: No decomposition if stored and appli	ed 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	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900	
Peak-limit: excursion factor (category)		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				
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900	
Peak-limit: exc factor (catego		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/m3	2017-11-30	DE TRGS 900	
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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				
Distillates (petroleum), hydrotreated light	64742-47- 8	AGW	300 mg/m3	2020-10-02	DE TRGS 900	
Peak-limit: excursion factor (category)		2;(II)				
Further inform	ation		s compliance with th is no risk of harming			
Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 mg/m3	2009-02-16	DE TRGS 900	
Peak-limit: exc factor (catego		2;(II)				
Further inform	nation	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: exc factor (catego		2;(II)				
Further information		Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900				
			•			
1,2,4- trimethylbenz ene	95-63-6		•	2000-06-16	2000/39/EC	
trimethylbenz ene Further inform	nation	of the TRGS	900 20 ppm 100 mg/m3		2000/39/EC	
trimethylbenz ene		of the TRGS	900 20 ppm	2000-06-16		



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trimethylbenz ene Peak-limit: exc factor (categor		2;(II)	100 mg/m3			
Further inform		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).European Union (The EU has established a limit value: deviations in value and peak limit are possible)When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
1,2,4- trimethylbenz ene	95-63-6	AGW	50 mg/m3	2017-11-30	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	
aluminium	7429-90-5	TWA (Respirable particulate	1 mg/m3	2008-01-01	
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Distillates	64742-47-	TWA (Mist)	5 mg/m3	2018-03-15	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA	400 ppm 1 600 mg/m3	1989-01-19	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA	200 mg/m3	2010-03-01	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA	500 ppm 2 000 mg/m3	2007-01-01	
aluminium	7429-90-5 7429-90-5	PEL (Pyro powders) TWA (powder)	5 mg/m3 5 mg/m3	2017-10-02	
aluminium	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium	7429-90-5	(Respirable particulate matter) TWA (Fumes)	5 mg/m3	1989-01-19	
aluminium	7429-90-5	powders) TWA (Decerirentic	1 mg/m3	2013-03-01	
aluminium	7429-90-5	fumes) TWA (pyro	5 mg/m3	2013-10-08	
aluminium	7429-90-5	dust fraction) TWA (welding	5 mg/m3	2013-10-08	
aluminium	7429-90-5	dust) TWA (respirable	5 mg/m3	1989-01-19	
aluminium	7429-90-5 7429-90-5	TWA (respirable fraction) TWA (Total	5 mg/m3 15 mg/m3	2011-07-01	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01	T



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(petroleum), hydrotreated light	8				
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	
Solvent naphtha (petroleum),	64742-95- 6	TWA	400 ppm 1 600 mg/m3	1989-01-19	

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light arom.				
Solvent naphtha (petroleum), light arom.	64742-95- 6	TWA	400 ppm 1 600 mg/m3	1989-01-19
1,2,4- trimethylbenz ene	95-63-6	TWA	25 ppm 125 mg/m3	2013-10-08
1,2,4- trimethylbenz ene	95-63-6	TWA	25 ppm	2014-03-01
1,2,4- trimethylbenz ene	95-63-6	TWA	25 ppm 125 mg/m3	1989-01-19
1,2,4- trimethylbenz ene	95-63-6	PEL	25 ppm 125 mg/m3	2014-11-26
1,2,4- trimethylbenz ene	95-63-6	TWA	10 ppm	2022-01-01

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	
	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 danger of cuts, abrasion, and the co	
	Recommended preventive skin prote	ection
	Skin should be washed after contac	
	The suitability for a specific workpla with the producers of the protective	
	: The suitability for a specific workpla with the producers of the protective	
Skin and body protection	: Long sleeved clothing	
	Safety shoes	
	Choose body protection according t concentration of the dangerous subs	
	: Choose body protection according t concentration of the dangerous sub-	
Respiratory protection	: Use suitable breathing protection if v requires.	
	: In the case of dust or aerosol format approved filter.	tion use respirator with an
Environmental exposure of		
General advice	: The product should not be allowed t courses or the soil.	
	 Prevent product from entering drains Prevent further leakage or spillage it 	
	If the product contaminates rivers ar	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Pasty solid
Colour	: silver
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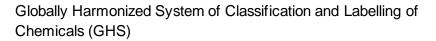
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Odour	: characteristic	
рН	: substance/mixture is nor	n-soluble (in water)
Freezing point	: No data available	

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
Auto-flammability		not auto-flammable
Upper explosion limit	:	No data available
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 Vapours may form explosive mixture with air. Not explosive

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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	 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. 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

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

1,2,4-trimethylbenzene :

Acute inhalation toxicity

: The component/mixture is moderately toxic after short term inhalation.

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.

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

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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

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Product:

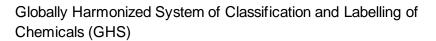
Ecotoxicology Assessment

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

Components:

Solvent naphtha (petroleum), light arom. (64742-95-6) :

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Ecotoxicology Assessment

Short-term (acute) aquatic hazard	: Toxic to aquatic life.
Long-term (chronic) aquatic	: Toxic to aquatic life with long lasting effects.
1,2,4-trimethylbenzene (95-6	3-6) :
Ecotoxicology Assessment	
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 : 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. 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.

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

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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

Not dangerous goods

CFR

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Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

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 the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Banned and/or restricted (aluminium powder (stabilised)) (Distillates (petroleum), hydro- treated light; Kerosine —

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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.
H315	:	Causes skin irritation.
H316	:	Causes mild skin irritation.
H320	:	Causes eye irritation.
H332	:	Harmful if inhaled.
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.
H412	:	Harmful 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.

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

STAPA NDF 150 Aluminium Paste

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