

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

STAPA NDF 120 Aluminium Paste

Version 4.0 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 120 Aluminium Paste

Material number : 052047G60

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

Long-term (chronic) aquatic hazard, Category 3, H412

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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:

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

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Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;H226 Acute Tox.;5;H303 Acute Tox.;5;H313 STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Chronic;2;H411	2,5 - 10
1,2,4-trimethylbenzene	95-63-6 202-436-9	Flam. Liq.;3;H226 Skin Irrit.;2;H315 Eye Irrit.;2A;H319 Acute Tox.;4;H332 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.

Flush eyes with water as a precaution.

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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

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 (CO2), ABC powder

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

: Use personal protective equipment.

Wear self-contained breathing apparatus for firefighting if

necessary.

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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. 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 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

Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use

explosion-proof equipment.

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. 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 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:

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	ner information When there is compliance with the OEL and biological tolerand values, there is no risk of harming the unborn child			cal 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 information When there is compliance with the OEL and biological toleral values, there is no risk of harming the unborn child			cal tolerance		
Distillates (petroleum), hydrotreated	64742-47- 8	AGW	300 mg/m3	2017-11-30	DE TRGS 900

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light			1		
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: exc factor (categor		2;(II)			
Further inform	ation		ompliance with the no risk of harming t	•	ical tolerance
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		limit for hydrocarb ssion for dangerous)		e also No. 2.9
1,2,4- trimethylbenz ene	95-63-6	TWA	20 ppm 100 mg/m3	2000-06-16	2000/39/EC
Further inform	ation	Indicative			
1,2,4- trimethylbenz ene	95-63-6	AGW	20 ppm 100 mg/m3	2006-01-01	DE TRGS 900
	Peak-limit: excursion factor (category)				
Further information Senate commission for the review place dangerous for the health (Ma Union (The EU has established a land peak limit are possible)When			K-commission). mit value: deviat	European ions in value	



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		OEL and biological tolerance values, there is no risk of harming the unborn child			
1,2,4-	95-63-6	AGW	50 mg/m3	2017-11-30	DE TRGS 900
trimethylbenz					
ene					
Peak-limit: exc factor (categor		2;(II)			
Further inform	<u> </u>			e also No. 2.9	

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 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	5 mg/m3	2011-07-01	

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1		fraction)			
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 (petroleum), hydrotreated light	64742-47- 8	TWA	500 ppm 2 000 mg/m3	2007-01-01	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA	200 mg/m3	2010-03-01	
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 (Mist)	5 mg/m3	2018-03-15	
Distillates (petroleum), hydrotreated light	64742-47- 8	TWA (Mist)	5 mg/m3	1989-01-19	
Distillates	64742-47-	TWA (Mist)	5 mg/m3	2019-10-04	



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ī.	i	i		
(petroleum),	8			
hydrotreated				
light				
Distillates	64742-47-	ST (Mist)	10 mg/m3	2019-10-04
(petroleum),	8		-	
hydrotreated				
light				
Distillates	64742-47-	PEL (particulate)	5 mg/m3	2017-12-05
(petroleum),	8	r LL (partiodiato)	o mg/mo	2017 12 00
hydrotreated				
light				
Solvent	64742-95-	TWA	500 ppm	2007-01-01
	6	1 4 4 7	2 000 mg/m3	2007-01-01
naphtha (petroleum),	٥		_ 000g/0	
light arom.	0.4740.05	TWA	200 mg/m3	2010-03-01
Solvent	64742-95-	IVVA	200 mg/m3	2010-03-01
naphtha	6			
(petroleum),				
light arom.				
Solvent	64742-95-	TWA	400 ppm	1989-01-19
naphtha	6		1 600 mg/m3	
(petroleum),				
light arom.				
1,2,4-	95-63-6	TWA	25 ppm	2013-10-08
trimethylbenz			125 mg/m3	
ene				
1,2,4-	95-63-6	TWA	25 ppm	2014-03-01
trimethylbenz				
ene				
1,2,4-	95-63-6	TWA	25 ppm	1989-01-19
trimethylbenz			125 mg/m3	
ene				
1,2,4-	95-63-6	PEL	25 ppm	2014-11-26
trimethylbenz			125 mg/m3	
ene			-	
1,2,4-	95-63-6	TWA	10 ppm	2022-01-01
trimethylbenz			FF	
ene				
OHO	l .			

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cumene	98-82-8	TWA	5 ppm	2022-01-01
cumene	98-82-8	TWA	50 ppm 245 mg/m3	2013-10-08
cumene	98-82-8	TWA	50 ppm 245 mg/m3	1997-08-04
cumene	98-82-8	TWA	50 ppm 245 mg/m3	1989-01-19
cumene	98-82-8	PEL	50 ppm 245 mg/m3	2014-11-26

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 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

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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.

: In the case of dust or aerosol formation use respirator with an

approved filter.

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

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 : 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 Vapours may form explosive

mixture with air.

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.

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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 : 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

Components:

Solvent naphtha (petroleum), light arom. :

Acute oral toxicity : LD50 Rat: 3 492 mg/kg

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

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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

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

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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

Components:

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

Ecotoxicology Assessment

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

hazard

1,2,4-trimethylbenzene (95-63-6) :

Ecotoxicology Assessment

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

hazard

12.2 Persistence and degradability

No data available

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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.

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.

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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

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

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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

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.

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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 : Not applicable

Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation : Not applicable

(Annex XIV)

Regulation (EC) No 1005/2009 on substances that : Not applicable

deplete the ozone layer

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

pollutants (recast)

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 —

unspecified)

(Solvent naphtha (petroleum), light

arom.)

(1,2,4-trimethylbenzene)

(xylene) (cumene)

15.2 Chemical safety assessment

No data available



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SECTION 16: Other information

Full text of H-Statements

H226 : Flammable liquid and vapour.

H227 : Combustible liquid. H228 : Flammable solid.

H303 : May be harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H313 : May be harmful in contact with skin.

H315 : Causes skin irritation.
H316 : Causes mild skin irritation.
H319 : Causes serious eye irritation.

H332 : Harmful if inhaled.

H335 : May cause respiratory irritation. H336 : May cause drowsiness or dizziness.

H411 : Toxic to aquatic life with long lasting effects.H412 : Harmful to aquatic life with long lasting effects.

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