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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

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

1.1 Product identifier

Trade name	:	STANDART Lac NAT Aluminium Powder
Material number	:	040010D70

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)

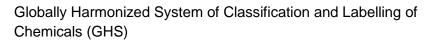
SECTION 2: Hazards identification

GHS Classification

: Flammable solids, Category 1, H228

Page 1 / 16	102000030783	A member of C ALTANA
-------------	--------------	-----------------------------







STANDART Lac NAT Aluminium Powder

ersion 3.1	Revisio	Revision Date 05.07.2022 Pri	
GHS-Labelling			
Symbol(s)		>	
Signal word	: Danger		
Hazard statements	: H228: Fla	ammable solid.	
Precautionary statements	flames au P240 (P241 U equipme P280 V protectio Respons P370 + F	Keep away from heat, hot so and other ignition sources. N Ground and bond container Jse explosion-proof electric nt. Vear protective gloves/ prot n/ face protection/ hearing p se: 1378 In case of fire: Use for metal fires.	o smoking. and receiving equipment. al/ ventilating/ lighting tective clothing/ eye

Hazardous components which must be listed on the label

:

SECTION 3: Composition/information on ingredients

Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	50 - 100

Page 2 / 16	102000030783	A member of C ALTANA
-------------	--------------	-----------------------------



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

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 out of dangerous area.
If inhaled	 If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	 Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing.
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

Page 3 / 16	102000030783	A member of C ALTANA
-------------	--------------	-----------------------------



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

This information is not available.

5.2 Special hazards arising from the substance or mixture

This information is not available.

5.3 Advice for firefighters

Special protective equipment	Wear se	If-contained breathing apparatus for firefighting if
for firefighters	necessa	ry.
Further information	measure	d procedure for chemical fires. Use extinguishing es that are appropriate to local circumstances and the ding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Avoid dust formation. Remove all sources of ignition.
6.2 Environmental precautions	
Environmental precautions	 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	:	Do not flush with water.
		Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

This information is not available.

Page 4 / 16	102000030783	A member of 🜔 ALTANA

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

STANDART Lac NAT Aluminium Powder

Version 3.1

Revision Date 05.07.2022

Print Date 06.07.2022

C ECKART

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling		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.
Advice on protection against fire and explosion	:	Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : 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	No smoking. Keep container tightly closed in ventilated place. Electrical installations / work must comply with the technological safety sta	king materials
Other data	Keep in a dry place. No decomposition if stor as directed.	ed and applied

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	
Page 5	5 / 16		10200	00030783	A membe	er of C ALTANA	4



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

STANDART Lac NAT Aluminium Powder

Version 3.1

Revision Date 05.07.2022

Print Date 06.07.2022

aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: excursion		2;(II)				
factor (categor	y)					
aluminium	7429-90-5	AGW (Alveolate	1,25 mg/m3	2014-04-02	DE TRGS 900	
powder		fraction)				
(stabilised)						
Peak-limit: excursion		2;(II)				
factor (categor	y)					

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26	
aluminium powder	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	

Page 6 / 16	102000030783	A member of C ALTANA



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

STANDART Lac NAT Aluminium Powder

Version 3.1

Revision Date 05.07.2022

Print Date 06.07.2022

(stabilised)					
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2008-01-01	
aluminium powder (stabilised)	7429-90-5	TWA	5 mg/m3	2005-09-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01	
aluminium powder (stabilised)	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
/ 16		1020	00030783		53



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

aluminium powder (stabilised)	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium powder (stabilised)	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02	

8.2 Exposure controls

Personal protective equipment				
Eye protection	Safety glasses			
Hand protection				
Remarks	The suitability for a specific workplace should be discussed with the producers of the protective gloves.			
Skin and body protection	Dust impervious protective suit			
	Choose body protection according to the amount and concentration of the dangerous substance at the work place.			
Environmental exposure cont	ols			
General advice	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

: powder

Page 8 / 16	102000030783	A member of C ALTANA

Solubility in other solvents

Ignition temperature

Viscosity, kinematic

Flow time

Thermal decomposition Viscosity, dynamic

Partition coefficient: n-octanol/water

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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022
Colour	: silver	
Odour	: odourless	
рН	: substance/mixture	is non-soluble (in water)
Freezing point	: No data available	
Boiling point/boiling range	: No data available	
Flash point	: No data available	
Bulk density	: No data available	
Flammability (solid, gas)	: The substance or n with the category 1	nixture is a flammable solid
Smoldering temperature	: > 230 °C	
Auto-flammability	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapour pressure	: No data available	
Density	: 2,5 g/cm3 (ca.)	
Solubility(ies)		
Water solubility	: insoluble	
Miscibility with water	: immiscible	

C ECKART

Page 9 / 16	102000030783	A member of 🜔 ALTANA

: No data available

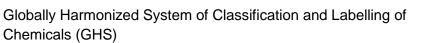
: No data available

: No data available

No data availableNo data available

: No data available

: 340 °C



STANDART Lac NAT Aluminium Powder

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	: Stable under recommended storage conditions.	
	Dust may form explosive mixture in air.	
10.4 Conditions to avoid		
Conditions to avoid	: Heat, flames and sparks.	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decomposition pro	oducts	
Hazardous decomposition products	: No data available	

: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Other information

Page 10 / 16	102000030783	A member of C ALTANA
--------------	--------------	-----------------------------



Version 3.1

Revision Date 05.07.2022

Print Date 06.07.2022



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

STANDART Lac NAT Aluminium Powder

Version	3.1

Revision Date 05.07.2022

Print Date 06.07.2022

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

Page 11 / 16	102000030783	A member of C ALTANA
--------------	--------------	-----------------------------



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

No data available

Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

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:

Page 12 / 16	102000030783	A member of C ALTANA
--------------	--------------	-----------------------------



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022
Additional ecological	: No data available	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

information

Product	 Do not dispose of waste into sewer. 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	: 1309	
TDG	: 1309	
CFR	: 1309	
IMDG	: 1309	
ΙΑΤΑ	: 1309	
14.2 Proper shipping name		

14.2 Proper shipping name

ADR

: ALUMINIUM POWDER, COATED

A member of C ALTANA	Page 13 / 16	102000030783	A member of C ALTANA
----------------------	--------------	--------------	-----------------------------



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.202
TDG	: ALUMINUM POWDER, COATED	
CFR	: ALUMINUM POWDER, COATED	
IMDG	: ALUMINIUM POWDER, COATED	
ΙΑΤΑ	: ALUMINIUM POWDER, COATED	
14.3 Transport hazard class		
ADR	: 4.1	
TDG	: 4.1	
CFR	: 4.1	
IMDG	: 4.1	
ΙΑΤΑ	: 4.1	
14.4 Packing group		
ADR		
Packaging group	: 11	
Classification Code	: F3	
Hazard Identification Number	: 40	
Labels	: 4.1	
Tunnel restriction code	: (E)	
TDG		
Packaging group	: 11	
Labels	: 4.1	
CFR		
Packaging group	: 11	
Labels	: 4.1	
IMDG		
Packaging group	: 11	
Labels	: 4.1	

Page 14 / 16	102000030783	A member of C ALTANA



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

STANDART Lac NAT Aluminium Powder

Version 3.1	Revision Date 05.07.2022	Print Date 06.07.2022

EmS Number:F-G, S-GIATAPacking instruction (cargo aircraft):448Packing instruction (cargo aircraft):445Packing instruction (LQ):Y441Packaging group:IILabels:4.1

14.5 Environmental hazards

14.6 Special precautions for user

IMDG Code- segregation group:

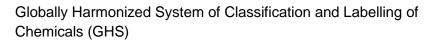
: IMDG Code segregation group 15 - Powdered metals

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 environme	ntal regulations/legisla	tion speci	fic for the substance or mixture
REACH - Candidate List of Sub Concern for Authorisation (Artic	, ,	: Not a	applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer		: Not a	applicable
Regulation (EU) 2019/1021 on persistent organic		: Not a	applicable
Page 15 / 16	102000030783		A member of C ALTANA



STANDART Lac NAT Aluminium Powder

in dangerous substances,	:	
in dangerous substances,		and/or restricted Im powder (stabilised))
ent		
	e manufacture, placing on in dangerous substances, innex XVII) e manufacture, placing on in dangerous substances, innex XVII) eent	in dangerous substances, nnex XVII) e manufacture, placing on : Banned a in dangerous substances, (aluminiu nnex XVII)

SECTION 16: Other information

Full text of H-Statements

H228

: Flammable solid.

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.

Page 16 / 16	102000030783	A member of 🜔 ALTANA
		Contraction of the second states of the second states of the second

