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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

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

1.1 Product identifier

Trade name	: STAPA PP REFLEXAL 2031/80 Pigment Preparatio
Material number	: 024768FH0

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

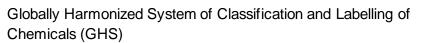
Not a hazardous substance or mixture.

Information concerning particular

: Please refer to our website for further important

Page 1 / 15	102000026900	A member of C ALTANA	
-------------	--------------	-----------------------------	--





STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024

hazards for human and environment:	safety instructions for handling aluminium powder:
	http://www.eckart.net/fileadmin/eckart/Service/GDA _Alupulver_Safety_engl.pdf

GHS-Labelling

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

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 name : 100275B - USA Rollout

:

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
Fatty acids, C14-18 and C16-18- unsatd.	67701-06-8 266-930-6	Acute Tox.;5;H313	1 - 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

F	Page 2 / 15	102000026900	A member of C ALTANA





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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024

General advice	: Move the victim to fresh air. No hazards which require special first aid measures.
If inhaled	: If unconscious, place in recovery position and seek medical advice.
	lf symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water.
In case of eye contact	: Remove contact lenses. 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

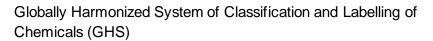
Suitable extinguishing media	: Dry sand, Special powder against metal fire
Unsuitable extinguishing media	: ABC powder, Carbon dioxide (CO2), Water, Foam

5.2 Special hazards arising from the substance or mixture

Specific hazards during	ntact with water liberates	extremely flammable gas
firefighting	drogen).	

5.3 Advice for firefighters

Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if
forfirefighters		necessary.





Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024
Further information	: Standard procedure for chemical fires measures that are appropriate to loca surrounding environment.	
SECTION 6: Accidental relea	se measures	
6.1 Personal precautions, prote	ctive equipment and emergency procedu	ires
Personal precautions	: Use personal protective equipment. Evacuate personnel to safe areas. Avoid dust formation.	
6.2 Environmental precautions		
Environmental precautions	: No special environmental precautions	required.
6.3 Methods and materials for o	ontainment and cleaning up	
Methods for cleaning up	 Use mechanical handling equipment. Do not use a vacuum cleaner. Pick up and arrange disposal without Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers fo 	-
6.4 Reference to other sections		
For personal protection see s	section 8.	
SECTION 7: Handling and st	orage	
7.1 Precautions for safe handlir	ng	
Advice on safe handling	: Avoid creating dust. Routine houseke instituted to ensure that dusts do not a Keep away from heat and sources of	accumulate on surfaces.
	For personal protection see section 8. drinking should be prohibited in the ap	

CECKART

Page 4 / 15 10200026900 A member of C ALTANA	Page 4 / 15	10200002 <i>6</i> 900 A member of C ALTAN	A
--	-------------	--	---



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024
Advice on protection against fire and explosion	: During processing, dust may form Take measures to prevent the bui Earthing of containers and appara explosion-proof equipment. When container to another apply earthing conductive hose material.	Id up of electrostatic charge. atuses is essential. Use a transferring from one
	Normal measures for preventive fi	ire protection.
Hygiene measures	: General industrial hygiene practic	e.
7.2 Conditions for safe storage, i	ncluding any incompatibilities	
Requirements for storage areas and containers	: Reaction with water liberates extra (hydrogen) Store in original contai closed in a cool, well-ventilated pl when not in use. Keep away from smoking.	iner. Keep containers tightly lace. Keep container closed
	Electrical installations / working m the technological safety standards	
Further information on storage conditions	: Protect from humidity and water.	
Advice on common storage	: Do not store together with oxidizin Never allow product to get in cont storage. Keep away from oxidizin and strongly acid materials in order reactions.	act with water during g agents, strongly alkaline
Other data	: Keep in a dry place. No decompo as directed.	sition if stored and applied

7.3 Specific end use(s)

This information is not available.

Page 5 / 15	102000026900	A member of C ALTANA
-------------	--------------	-----------------------------



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

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	10 mg/m3	2014-04-02	DE TRGS 900
powder		fraction)			
(stabilised)		2;(II)			
Peak-limit: exc	Peak-limit: excursion				
factor (categor	у)				
Further information			dangerous substan ounds at the work pl on).		
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc	ursion	2;(II)			
factor (categor	у)	. /			
Further inform	ation	Commission for dangerous substances Senate commission for review of compounds at the work place dangerous for the health (MAK-commission).			

United States of America (USA):

Componer	its CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised		TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised		TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
Page 6 / 15		1020	00026900	A membe	er of C ALTANA



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

powder (stabilised)aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74powder (stabilised)74aluminium74powder (stabilised)74powder (stabilised)74powder (stabilised)74	429-90-5 429-90-5 429-90-5 429-90-5	TWA (total) TWA (respirable fraction) TWA (respirable fraction) PEL (Total dust)	10 mg/m3 5 mg/m3 15 Million particles per cubic foot	2013-10-08 2012-07-01 2012-07-01	
powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74powder (stabilised)74powder (stabilised)74powder (stabilised)74powder (stabilised)74	429-90-5	fraction) TWA (respirable fraction)	15 Million particles		
powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74powder (stabilised)74powder (stabilised)74powder (stabilised)74powder (stabilised)74powder (stabilised)74		fraction)		2012-07-01	
powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74aluminium74powder (stabilised)74powder (stabilised)74	429-90-5	PEL (Total dust)			
powder (stabilised) aluminium 74 powder (stabilised) aluminium 74 powder (stabilised)			10 mg/m3	2014-11-26	
powder (stabilised) aluminium 74 powder (stabilised)	429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
powder (stabilised)	429-90-5	TWA (Respirable fraction)	1 mg/m3	2008-01-01	
aluminium 74	429-90-5	TWA	5 mg/m3	2005-09-01	
powder (stabilised)	429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium 74 powder (stabilised)	429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium 74 powder (stabilised)	429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium 74 powder (stabilised)	429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01	
aluminium 74 powder (stabilised)	429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19	
e7/15		1020	00026900	A member of C A	ITAN



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

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 fraction)	1 mg/m3	2013-03-01
aluminium powder (stabilised)	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19
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 equ	uipment	
Eye protection	:	Face-shield
	:	Safety glasses
Hand protection		
Material	:	Leather
Glove length	:	Long sleeve gloves
Remarks	:	Leather gloves The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other
		from one producer to the other.

Page 8 / 15	102000026900	A member of 🜔 ALTANA
-------------	--------------	----------------------



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

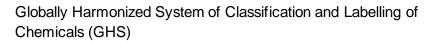
STAPA PP REFLEXAL 2031/80 Pigment Preparation

sion 2.0	Revision Date 13.12.2019	Print Date 02.12.2024
Skin and body protection	: Anti-static and fire resistant pro 11612; EN 533; EN 1149-1. Ar	0
Respiratory protection	: Use suitable breathing protecti requires.	ion if workplace concentration
	Breathing apparatus with filter.	
	P1 filter	
Environmental exposure c	ontrols	
General advice	:	
	: No special environmental preca	autions required.
Water	: The product should not be allor courses or the soil.	wed to enter drains, water
	:	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder	
Colour	: silver	
Odour	: characteristic	
рН	: No data available	
Melting point/range	: 660 °C	
Boiling point/boiling range	: No data available	
Flash point	: No data available	
Bulk density	: No data available	
Flammability (solid, gas)	: Combustible Solid	ds
Auto-flammability	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: 30 g/m3	
Page 9 / 15	102000026900	A member of C ALTANA



STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024

C ECKART

Vapour pressure	: No data available
Density	: 1,7 - 2,0 g/cm3
Water solubility	: No data available
Miscibility with water	: No data available
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

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.

Contact with acids and alkalis may release hydrogen.

Dust may form explosive mixture in air.

Page 10 / 15	102000026900	A member of C ALTANA
--------------	--------------	-----------------------------



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024

10.4 Conditions to avoid Conditions to avoid : No data available

10.5 Incompatible materials	
Materials to avoid	: Acids Bases Oxidizing agents Water

10.6 Hazardous decomposition products

Hazardous decomposition products	: No data available
Other information	: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Com	ponents:

Fatty acids, C14-18	and C16-18-unsatd. :
Acute oral toxicity	: LD50 Rat: > 5 000 mg/kg

Acute inhalation toxicity : LC50 Rat: > 46 mg/l

Exposure time: 1 h

Test atmosphere: dust/mist

Page 11 / 15	102000026900	A member of C ALTANA



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024
Acute dermal toxicity	: LD50 Rabbit: >3 160 mg/kg	
Skin corrosion/irritation		
No data available		
Serious eye damage/eye irritat	tion	
No data available		
Respiratory or skin sensitisation	on	
No data available		
Carcinogenicity		
No data available		
Toxicity to reproduction/fertility	у	
No data available		
Reprod.Tox./Development/Tera	Itogenicity	
No data available		
STOT - single exposure		
No data available		
STOT - repeated exposure		
No data available		
Aspiration toxicity		
No data available		
Page 12 / 15	102000026900	A member of C ALTANA



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

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 13 / 15	102000026900	A member of C ALTANA



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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0	Revision Date 13.12.2019	Print Date 02.12.2024	

Additional ecological information

: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Contaminated packaging	 In accordance with local and national regulations. Empty containers should be taken to an approved waste
containinated packaging	handling site for recycling or disposal.
	In accordance with local and national regulations.

SECTION 14: Transport information

- 14.1 UN number
- 14.2 Proper shipping name
- 14.3 Transport hazard class
- 14.4 Packing group
- 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

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

STAPA PP REFLEXAL 2031/80 Pigment Preparation

Version 2.0

Revision Date 13.12.2019

Print Date 02.12.2024

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).

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H228	:	Flammable solid.
H313	:	May be harmful in contact with skin.

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 15 / 15 102	026900 A member of C ALTANA
------------------	------------------------------------

