

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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

1.1 Product identifier

Trade name : STAPA AC REFLEXAL 1531/80 Aluminum Paste
Material number : 0257468J0

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 :

Telephone :
Telefax :
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 dangerous substance according to GHS.

GHS-Labeling

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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

Hazardous components which must be listed on the label

SECTION 3: Composition/information on ingredients

Substance name : STAPA AC Reflexal 1032/80

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

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 : No hazards which require special first aid measures.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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.

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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**

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 for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Do not flush with water.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

This information is not available.

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.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m ³	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m ³	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			

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/m ³	2013-10-08	
aluminium	7429-90-5	TWA (total dust)	15 mg/m ³	2012-07-01	

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

powder (stabilised)					
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m ³	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m ³	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/m ³	2014-11-26	
aluminium powder (stabilised)	7429-90-5	PEL (respirable dust fraction)	5 mg/m ³	2014-11-26	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m ³	2008-01-01	
aluminium powder (stabilised)	7429-90-5	TWA	5 mg/m ³	2005-09-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total)	15 mg/m ³	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	5 mg/m ³	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m ³	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m ³	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total dust)	15 mg/m ³	1989-01-19	

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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	
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	
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA	2 mg/m3	2007-01-01	
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA (Fumes)	2 mg/m3	2005-09-01	
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA	2 mg/m3	1989-01-19	
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA (Fumes)	2 mg/m3	2010-03-01	
Paraffin	8002-74-2	TWA (Fumes)	2 mg/m3	2013-10-08	

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

waxes and Hydrocarbon waxes					
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA (Fumes)	2 mg/m ³	1989-01-19	
Paraffin waxes and Hydrocarbon waxes	8002-74-2	PEL (Fumes)	2 mg/m ³	2014-11-26	

8.2 Exposure controls
Personal protective equipment

Eye protection : Safety glasses

Environmental exposure controls

General advice : 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 : solid
 Colour : silver
 Odour : odourless
 pH : No data available
 Freezing point : No data available
 Boiling point/boiling range : No data available

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

Flash point	: No data available
Bulk density	: No data available
Flammability (solid, gas)	: The product is not flammable.
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: 2,0 g/cm ³ (ca.)
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

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

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**

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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:**

Additional ecological information : No data available

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

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

SECTION 14: Transport information**14.1 UN number**

- ADR : 1325
- TDG : 1325
- CFR : 1325
- IMDG : 1325
- IATA : 1325

14.2 Proper shipping name

- ADR : FLAMMABLE SOLID, ORGANIC, N.O.S.
- TDG : FLAMMABLE SOLID, ORGANIC, N.O.S.
- CFR : FLAMMABLE SOLIDS, ORGANIC, N.O.S.
- IMDG : FLAMMABLE SOLID, ORGANIC, N.O.S.
- IATA : FLAMMABLE SOLID, ORGANIC, N.O.S.

14.3 Transport hazard class

- ADR : 4.1
- TDG : 4.1

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

CFR : 4.1**IMDG** : 4.1**IATA** : 4.1**14.4 Packing group****ADR**

Packaging group : II

Classification Code : F1

Hazard Identification Number : 40

Labels : 4.1

Tunnel restriction code : (E)

TDG

Packaging group : II

Labels : 4.1

CFR

Packaging group : II

Labels : 4.1

IMDG

Packaging group : II

Labels : 4.1

EmS Number : F-G, S-G

IATAPacking instruction (cargo
aircraft) : 448Packing instruction
(passenger aircraft) : 445

Packing instruction (LQ) : Y441

Packaging group : II

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

Labels : 4.1

14.5 Environmental hazards**IMDG** :**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 environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

15.2 Chemical safety assessment

No data available

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

STAPA AC REFLEXAL 1531/80 Aluminum Paste

Version 2.1

Revision Date 23.07.2020

Print Date 07.08.2020

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.