

STAPA ALUPOR N 100 Aluminium Paste

| Version 3.0 | Revision Date 03.12.2019 | Print Date 25.02.2022 |
|-------------|--------------------------|-----------------------|
| | | |

C ECKART

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

1.1 Product identifier

| Trade name | : | STAPA ALUPOR N 100 Aluminium Paste |
|-----------------|---|------------------------------------|
| Material number | : | 051647L70 |

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

Acute toxicity, Category 5, Oral, H303
 Skin corrosion/irritation, Category 3, H316
 Serious eye damage/eye irritation, Category 2A, H319

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| GHS-Labelling | | |
|--------------------------|---|--|
| Symbol(s) | | |
| Signal word | : Warning | |
| Hazard statements | H303: May be harmful if swallowed. H316: Causes mild skin irritation. H319: Causes serious eye irritation. | |
| Precautionary statements | Prevention: P264 Wash skin thoroughly after hat P280 Wear eye protection/ face protection/ Response: P305 + P351 + P338 IF IN EYES: F water for several minutes. Remove conditionant of the several minutes. Remove conditionant | tection. Rinse cautiously with ntact lenses, if present or if you feel unwell. : Get medical advice/ |

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Hazardous components which must be listed on the label

| Identification | CAS-No. |
|-------------------|----------|
| 2,2'-oxydiethanol | 111-46-6 |

Other hazards which do not result in classification

Combustible Solids

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SECTION 3: Composition/information on ingredients

Substance name:STAPA* Alupor N 1000Substance 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 |
| 2,2' -oxybisethanol | 111-46-6 203-872-2 | Acute Tox.;4;H302 | 25 - 50 |
| calcium dodecylbenzenesulphonate | 26264-06-2 247-557-8 | ;2;H315 ;1;H318 | 1 - 3 |

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. Do not leave the victim unattended. |
|----------------|---|
| | Move out of dangerous area. Show this safety data sheet to the doctor in attendance. |
| If inhaled | If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. |
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| In case of skin contact | : If skin irritation persists, call a physicia If on skin, rinse well with water. If on clothes, remove clothes. | an. |
| | Wash off immediately with soap and p | plenty of water. |
| In case of eye contact | Immediately flush eye(s) with plenty o Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a spect | |
| | Immediately flush eye(s) with plenty o | of water. |
| If swallowed | : Keep respiratory tract clear. Do not give milk or alcoholic beverage Never give anything by mouth to an u If symptoms persist, call a physician. Take victim immediately to hospital. | |

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

This information is not available.

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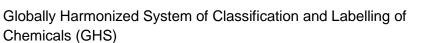
5.3 Advice for firefighters

| Special protective equipment for firefighters | : | Use personal protective equipment. |
|--|---|--|
| | | 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 | Use personal protective equipment. Avoid dust formation. Evacuate personnel to safe areas. Use personal protective equipment. Remove all sources of ignition. | | |
|----------------------------------|--|-----------------------------|--|
| 6.2 Environmental precautions | | | |
| Environmental precautions | : Prevent product from entering of Prevent further leakage or spilla If the product contaminates rive respective authorities. | age if safe to do so. | |
| 6.3 Methods and materials for co | 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 contair | ners for disposal. | |
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6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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|---|------|--|---|--|
| Further information on storage conditions | : | Protect from humidity and wate | r. Do not allow to dry. | |
| | | Store in original container. Keep cool, well-ventilated place. Keep use. Keep away from sources o | p container closed when not in | |
| Requirements for storage areas and containers | : | Keep container tightly closed in place. Electrical installations / w with the technological safety sta | orking materials must comply | |
| 7.2 Conditions for safe storage, | incl | uding any incompatibilities | | |
| Hygiene measures | : | When using do not eat or drink. Wash hands before breaks and | | |
| | | Avoid dust formation. | | |
| Advice on protection against fire and explosion | | Keep away from open flames, h ignition. Earthing of containers a | | |
| | | Avoid formation of respirable pa vapours/dust. Avoid exposure - before use. Avoid contact with s protection see section 8. Smoki be prohibited in the application accordance with local and natio | obtain special instructions skin and eyes. For personal ng, eating and drinking should area. Dispose of rinse water in | |
| Advice on safe handling | : | : Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation. | | |



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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 t 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 powder (stabilised) | 7429-90-5 | AGW (Inhalable fraction) | 10 mg/m3 | 2014-04-02 | DE TRGS 900 |
| | Peak-limit: excursion factor (category) | | 2;(II) | | | |
| | 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: 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 | | | |
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| | | (MAK-commission). | | | |
|---|----------|---|--------------------|------------|-------------|
| 2,2' - oxybisethano I | 111-46-6 | AGW | 10 ppm 44 mg/m3 | 2008-06-01 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 4;(II) | | | |
| Further information | | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| 2,2' - oxybisethano I | 111-46-6 | AGW (Vapour and aerosols) | 10 ppm 44 mg/m3 | 2013-09-19 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 4;(II) | | | |
| Further information | | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).Sum of vapor and aerosols.When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |

8.2 Exposure controls

| Personal protective e | equipment | |
|--------------------------|--|----------|
| Eye protection | : Eye wash bottle with pure water Wear face-shield and protective suit for abnormal pro- problems. | cessing |
| Hand protection | | |
| Material | : Solvent-resistant gloves | |
| Remarks | : Take note of the information given by the producer co permeability and break through times, and of special | ncerning |
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STAPA ALUPOR N 100 Aluminium Paste Version 3.0 Revision Date 03.12.2019 Print Date 25.02.2022 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 Choose body protection according to the amount and concentration of the dangerous substance at the work place. : 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. Dust safety masks are recommended when the dust concentration is more than 10 mg/m3.

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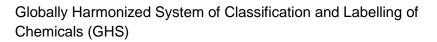
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| | | |

| Environmental exposu | ire controls |
|----------------------|--|
| 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. |
| | : |
| Water | : |
| | : The product should not be allowed to enter drains, water courses or the soil. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Appearance | : Pasty solid | |
|-----------------------------|----------------------|-----------------------------|
| Colour | : silver | |
| Odour | : characteristic | |
| pН | : No data available | |
| 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) | : Combustible Solids | |
| Auto-flammability | : not auto-flammable | e |
| Upper explosion limit | : No data available | |
| Lower explosion limit | : No data available | |
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| | Vapour pressure | | : No data available |
|-----|--|-----|-------------------------|
| | Density | | : No data available |
| | Water solubility | | : No data available |
| | Miscibility with water | | : immiscible |
| | Solubility in other solvents | | : No data available |
| | Partition coefficient: n-octanol/ | wat | ter : 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 |
| 9.2 | Other information | | |
| | Self-Accelerating decomposition temperature (SADT) | : | No data available |
| | Self-heating substances | : | No data available |
| | Heat of combustion | : | No data available |
| | Impact sensitivity | : | No data available |
| | Surface tension | : | No data available |
| | | | |
| | • | | |

| Conductivity | : | No data available |
|-------------------|---|-------------------|
| Sublimation point | : | No data available |
| Molecular weight | : | No data available |





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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.

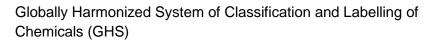
10.3 Possibility of hazardous reactions

| 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. |
| | No data available |
| 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:

| 2,2' -oxybisethanol : Acute oral toxicity | : LD50 Humans: 1 120 mg/kg |
|---|---|
| Acute inhalation toxicity | : Rat: > 4,6 mg/l Exposure time: 4 h |

Acute dermal toxicity : LD50 Rabbit: 13 300 mg/kg

Skin corrosion/irritation

Product

May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product

May cause irreversible eye damage.

Respiratory or skin sensitisation

No data available

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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

SECTION 12: Ecological information

12.1 Toxicity

No data available

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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 | : | No data available |
|-----------------------|---|-------------------|
| information | | |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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.

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| Contaminated packaging : | Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. | |

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

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).

: This product contains substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57). (Nonylphenol ethoxylates)

: Not applicable

Regulation (EC) No 1005/2009 on substances that

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| | | |
| | | |
| deplete the ozone layer | | |

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

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

| H228 : | Flammable solid. |
|--------|------------------------------|
| H302 : | Harmful if swallowed. |
| H303 : | May be harmful if swallowed. |
| H315 : | Causes skin irritation. |

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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