



Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation Abrasive cord MITCHELL'S

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses

Use of the substance/mixture

Abrasive

Uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0

Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg (Sprache / Language: DE, EN) +49 (0) 761 / 1 92 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark

The product is not classified according to the CLP Regulation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Adverse human health effects and symptoms

Frequently or prolonged contact with skin may cause dermal irritation.

Inhalation of dust may cause irritation of the respiratory system.

Irritating to eyes and skin.

Results of PBT and vPvB assessment

not applicable

**Abrasive cord MITCHELL'S**

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)

SECTION 3: Composition / information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures**Description**

Mixture of substances listed below with non-hazardous admixtures.

Hazardous ingredients

| CAS No. | EC No. | Substance name | Concentration | Classification according to Regulation (EC) No 1272/2008 [CLP] | SCL/ M/ ATE |
|-----------|-----------|---|---------------|--|---|
| 1344-28-1 | 215-691-6 | aluminium-oxide | > 95 weight-% | | ATE(oral): > 2000 mg/kg ATE(Acute inhalation toxicity): > 2.3 mg/L |
| | | Titanium dioxide (various modifications, Titanium dioxide CAS: 13463-67-7 EINECS: 236-675-5 <0.5% contained). | < 3 weight-% | | ATE(oral): > 20000 mg/kg ATE(dermal): > 10000 mg/kg ATE(Acute inhalation toxicity): > 6.82 mg/L |
| 7631-86-9 | 231-545-4 | amorphes Siliciumdioxid | < 1 weight-% | | ATE(oral): 10000 mg/kg |

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

No special measures required.

Following inhalation

Provide fresh air.

In case of respiratory tract irritation, consult a physician.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After eye contact

Remove contact lenses, if possible

In case of eye irritation consult an ophthalmologist.

Following ingestion

Rinse mouth thoroughly with water.

Do NOT induce vomiting.

If symptoms persist consult a doctor.

Never administer anything by mouth to an unconscious person.
administer anything by mouth.

Abrasive cord MITCHELL'S

Print date 07.09.2023

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Version 1.0 (en)



4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Cough

Gastrointestinal complaints

Respiratory complaints

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

Provide the doctor with the safety data sheet.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Match fire extinguishing measures to the surrounding area.

Water spray

Foam

Carbon dioxide (CO₂)

Dry extinguishing powder

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

This information is not available.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid dust formation.

Avoid contact with skin and eyes.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Use personal protection equipment.

For emergency responders

Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Knock down dust with water spray jet.

6.3 Methods and material for containment and cleaning up

For containment

After taking up the material dispose according to regulation.

For cleaning up

Soak up or sweep up material and place in an appropriately labelled waste container.

Treat the recovered material as prescribed in the section on waste disposal.

Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)



6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Use only in well-ventilated areas.

Wear personal protection equipment (refer to section 8).

Avoid:

Eye contact

generation/formation of aerosols

Generation/formation of dust

Suitable industrial vacuum cleaners or central extraction equipment must be used for taking up dust.

Provide suitable extraction at the processing machines.

Avoid skin contact.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Immediately remove any contaminated clothing, shoes or stockings.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Storage class

10-13 Sonstige brennbare und nicht brennbare Stoffe

Materials to avoid

Oxidising agent

Food and feedingstuffs

Further information on storage conditions

Storage: cool and dry

Store and transport separate of food.

Protect from atmospheric moisture and water

Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

Recommendation

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

| CAS No. | EC No. | Substance name | occupational exposure limit value |
|-----------|--------|------------------|---|
| 1344-28-1 | | Aluminium oxides | 10 (1) 4 (2) [mg/m ³] (1) Inhalable fraction (2) Respirable fraction (IE) |

**Abrasive cord MITCHELL'S**

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)

| CAS No. | EC No. | Substance name | occupational exposure limit value |
|-----------|-----------|-------------------|--|
| 1344-28-1 | | Aluminium oxides | 10 inhalable aerosol 4 respirable aerosol [mg/m ³] (UK) |
| 7631-86-9 | 231-545-4 | Silica, amorphous | 6 inhalable aerosol 2,4 respirable aerosol [mg/m ³] (UK) |

DNEL worker

| CAS No. | Substance name | DNEL value | DNEL type | Remark |
|-----------|-----------------|---------------------|------------------------------------|--------|
| 1344-28-1 | aluminium-oxide | 1.32 mg/kg | Long-term – oral, systemic effects | |
| 1344-28-1 | aluminium-oxide | 3 mg/m ³ | long-term inhalative (local) | |
| 1344-28-1 | aluminium-oxide | 3 mg/m ³ | long-term inhalative (systemic) | |

DNEL Consumer

| CAS No. | Substance name | DNEL value | DNEL type | Remark |
|-----------|-----------------|-----------------------|---------------------------------|--------|
| 1344-28-1 | aluminium-oxide | 750 µg/m ³ | long-term inhalative (local) | |
| 1344-28-1 | aluminium-oxide | 750 µg/m ³ | long-term inhalative (systemic) | |

PNEC

| CAS No. | Substance name | PNEC Value | PNEC type | Remark |
|-----------|-----------------|------------|------------------------------|--------|
| 1344-28-1 | aluminium-oxide | 20 mg/L | sewage treatment plant (STP) | |

8.2 Exposure controls**Appropriate engineering controls****Remark**

See section 7. Additional information on plant design:

Personal protection equipment**Eye/face protection**

Eye glasses with side protection

Hand protection

Tested protective gloves must be worn

The selection of a suitable glove is not only dependent on the material, but also on further quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of glove materials cannot be predicted and must materials cannot be calculated in advance and must therefore be checked before use.

Breakthrough times and swelling properties of the material must be taken into consideration.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Short term: filter apparatus, combination filter A-P2
insufficient ventilation

Additional information

The lists valid at the time of creation served as the basis.

Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Physical state**

solid

Colour

dark brown

grey

Odour

odourless

Safety relevant basis data

| | Value | Method | Source, Remark |
|--|-------------------------------|--------|-----------------------------------|
| Odour threshold: | not determined | | |
| Melting point/freezing point | 2050 °C | | |
| Boiling point or initial boiling point and boiling range | 2900 °C | | |
| flammability | not determined | | |
| Lower and upper explosion limit | not determined | | |
| Flash point | not determined | | |
| Auto-ignition temperature | | | The product is not self-igniting. |
| Decomposition temperature | not determined | | |
| pH | not determined | | |
| Viscosity | not determined | | |
| Solubility(ies) | Water solubility | | practically insoluble |
| Partition coefficient n-octanol/water (log value) | not determined | | |
| Vapour pressure | not determined | | |
| Density and/or relative density | 3.95 g/cm ³ (20°C) | | |
| Relative vapour density | not determined | | |
| particle characteristics | not determined | | |

9.2 Other information**Other safety characteristics**

| | Value | Method | Source, Remark |
|----------------------|-------|--------|-------------------------------|
| Explosive properties | | | The product is not explosive. |

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

None known if used as intended.

10.2 Chemical stability

No data available

**Abrasive cord MITCHELL'S**

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Animal data**

| | Effective dose | Method, Evaluation | Source, Remark |
|---------------------------|---|--------------------|----------------|
| Acute oral toxicity | CAS No.1344-28-1 aluminium-oxide LD50: > 2000 mg/kg Species Rat | | |
| | CAS No.7631-86-9 amorphes Siliciumdioxid LD50: 10000 mg/kg Species Rat | | |
| | Titanium dioxide (various modifications, Titanium dioxide CAS: 13463-67-7 EINECS: 236-675-5 <0.5% contained). LD50: > 20000 mg/kg Species Rat | | |
| Acute dermal toxicity | Titanium dioxide (various modifications, Titanium dioxide CAS: 13463-67-7 EINECS: 236-675-5 <0.5% contained). LD50: > 10000 mg/kg Species Rabbit | | |
| Acute inhalation toxicity | CAS No.1344-28-1 aluminium-oxide LC50: > 2.3 mg/L Species Rat Exposure time 4 h | | |
| | Titanium dioxide (various modifications, Titanium dioxide CAS: 13463-67-7 EINECS: 236-675-5 <0.5% contained). LC50: > 6.82 mg/L Exposure time 4 h | | |

Assessment/classification

Based on available data, the classification criteria are not met.

Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)



Skin corrosion/irritation

Assessment/classification

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Assessment/classification

Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract

not determined

Skin sensitisation

not determined

Germ cell mutagenicity

Assessment/classification

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment/classification

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification

Based on available data, the classification criteria are not met.

Aspiration hazard

Remark

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics

| | Effective dose | Method, Evaluation | Source, Remark |
|---------------------------------|----------------|--------------------|--|
| Endocrine disrupting properties | | | This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. |

**Abrasive cord MITCHELL'S**

Print date 07.09.2023

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Version 1.0 (en)

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity**

| | Effective dose | Method, Evaluation | Source, Remark |
|---|--|--------------------|----------------|
| Acute (short-term) fish toxicity | CAS No.1344-28-1 aluminium-oxide LC50: 6.17 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h | | |
| Chronic (long-term) fish toxicity | CAS No.1344-28-1 aluminium-oxide NOEC 7.1 mg/L Species Pimephales promelas (fathead minnow) Test duration 28 d | | |
| Acute (short-term) toxicity to crustacea | CAS No.1344-28-1 aluminium-oxide LC50 3.69 mg/L Species Ceriodaphnia spec | | |
| Chronic (long-term) toxicity to aquatic invertebrate | not determined | | |
| Acute (short-term) toxicity to algae and cyanobacteria | CAS No.1344-28-1 aluminium-oxide EC50 16.9 mg/L Species Pseudokirchnerella subcapitata Test duration 72 h | | |
| Chronic (long-term) toxicity to aquatic algae and cyanobacteria | not determined | | |
| Toxicity to other aquatic plants/organisms | not determined | | |
| Toxicity to microorganisms | CAS No.1344-28-1 aluminium-oxide NOEC 200 mg/L Test duration 28 d | | |

12.2 Persistence and degradability**Assessment/classification**

This information is not available.

12.3 Bioaccumulative potential**Assessment/classification**

This information is not available.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Endocrine disrupting properties

Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)



| Effective dose | Method, Evaluation | Source, Remark |
|---------------------------------|--------------------|---|
| Endocrine disrupting properties | | The product does not contain substances with endocrine disrupting properties. |

12.7 Other adverse effects**Additional ecotoxicological information****Additional information**

Not hazardous to water.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Appropriate disposal / Product**

Must not be disposed together with household garbage.

Do not allow to enter drains.

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of according to official regulations.

SECTION 14: Transport information

| | Land transport (ADR/RID) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|--|-----------------------------|----------------------|---------------------------------------|
| 14.1 UN number or ID number | - | - | - |
| 14.2 UN proper shipping name | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - |
| 14.4 Packing group | - | - | - |
| 14.5 Environmental hazards | - | - | - |

14.6 Special precautions for user

not applicable

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

not applicable

Land transport (ADR/RID)**Remark**

not applicable

Sea transport (IMDG)**Remark**

not applicable

Abrasive cord MITCHELL'S

Print date 07.09.2023

Revision date 07.09.2023

Version 1.0 (en)



Air transport (ICAO-TI / IATA-DGR)

Remark

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes

* Data changed compared with the previous version

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service

DNEL: derived no-effect level

PNEC: Predicted No Effect Concentration

LC50: Lethal (fatal) Concentration 50%

LD50: Lethal (fatal) Dose 50%

PBT: persistent and bioaccumulative and toxic

vPvB: very persistent, very bioaccumulative

Key literature references and sources for data

Datasheets of the manufacturer

Additional information

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.