

MASTERSAFE MP 16-20B

Version 1.1

Revision Date 22.11.2023

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : MASTERSAFE MP 16-20B
Material number : 052435FA0

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
Guntersthal 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.

GHS-Labeling

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

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Not a hazardous substance or mixture.

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 No. :

Hazardous components

| Chemical name | CAS-No. EINECS-No. | Classification and labelling | Concentration[%] |
|---------------|------------------------|---------------------------------|------------------|
| aluminium | 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 : Move the victim to fresh air.
Do not leave the victim unattended.
- If inhaled : Remove to fresh air.
If unconscious, place in recovery position and seek medical advice.
If 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.

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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 firefighting : Contact with water liberates extremely flammable gas (hydrogen).

5.3 Advice for firefighters

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

Further information : 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.
Evacuate personnel to safe areas.

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Avoid dust formation.

6.2 Environmental precautions

General advice : The product should not be allowed to enter drains, water courses or the soil.
No special environmental precautions required.

This information is not available.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.
Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Store away from heat.

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition
- No smoking. Keep container closed when not in use.

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Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Protect from humidity and water.

Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizing agents and strongly acid or alkaline materials.

No materials to be especially mentioned.

Other data : No decomposition if stored and applied 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 | 7429-90-5 | AGW (Inhalable fraction) | 10 mg/m ³ | 2021-07-02 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 2;(II) | | | |
| Further information | | When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| aluminium | 7429-90-5 | AGW (Alveolate fraction) | 1,25 mg/m ³ | 2021-07-02 | DE TRGS 900 |

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| | |
|---|---|
| Peak-limit: excursion factor (category) | 2;(II) |
| Further information | When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |

United States of America (USA):

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis |
|------------|-----------|-------------------------------------|-------------------------------------|------------|-------|
| aluminium | 7429-90-5 | TWA (total dust) | 50 Million particles per cubic foot | 2012-07-01 | |
| aluminium | 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 | |
| aluminium | 7429-90-5 | TWA (total) | 10 mg/m ³ | 2013-10-08 | |
| aluminium | 7429-90-5 | TWA (respirable fraction) | 5 mg/m ³ | 2012-07-01 | |
| aluminium | 7429-90-5 | TWA (respirable fraction) | 15 Million particles per cubic foot | 2012-07-01 | |
| aluminium | 7429-90-5 | PEL (Total dust) | 10 mg/m ³ | 2014-11-26 | |
| aluminium | 7429-90-5 | PEL (respirable dust fraction) | 5 mg/m ³ | 2014-11-26 | |
| aluminium | 7429-90-5 | TWA (Respirable particulate matter) | 1 mg/m ³ | 2008-01-01 | |
| aluminium | 7429-90-5 | TWA | 5 mg/m ³ | 2005-09-01 | |
| aluminium | 7429-90-5 | TWA (Total) | 15 mg/m ³ | 1989-01-19 | |
| aluminium | 7429-90-5 | TWA (Respirable fraction) | 5 mg/m ³ | 1989-01-19 | |
| aluminium | 7429-90-5 | TWA (total dust) | 15 mg/m ³ | 2011-07-01 | |
| aluminium | 7429-90-5 | TWA (respirable fraction) | 5 mg/m ³ | 2011-07-01 | |
| aluminium | 7429-90-5 | TWA (Total dust) | 15 mg/m ³ | 1989-01-19 | |
| aluminium | 7429-90-5 | TWA (respirable dust fraction) | 5 mg/m ³ | 1989-01-19 | |
| aluminium | 7429-90-5 | TWA (welding fumes) | 5 mg/m ³ | 2013-10-08 | |

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| | | | | | |
|-----------|-----------|-------------------------------------|---------------------|------------|--|
| aluminium | 7429-90-5 | TWA (pyro powders) | 5 mg/m ³ | 2013-10-08 | |
| aluminium | 7429-90-5 | TWA (Respirable particulate matter) | 1 mg/m ³ | 2013-03-01 | |
| aluminium | 7429-90-5 | TWA (Fumes) | 5 mg/m ³ | 1989-01-19 | |
| aluminium | 7429-90-5 | PEL (Welding fumes) | 5 mg/m ³ | 2017-10-02 | |
| aluminium | 7429-90-5 | PEL (Pyro powders) | 5 mg/m ³ | 2017-10-02 | |
| aluminium | 7429-90-5 | TWA (powder) | 5 mg/m ³ | 1989-01-19 | |

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective 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.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

Skin and body protection : Long sleeved clothing

: Protective suit

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Breathing apparatus with filter.

P1 filter

: No personal respiratory protective equipment normally

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required.

Environmental exposure controls

- General advice : The product should not be allowed to enter drains, water courses or the soil.
: No special environmental precautions required.

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

| | |
|-----------------------------|---|
| Appearance | : pellets |
| Colour | : silver |
| Odour | : characteristic |
| pH | : substance/mixture is non-soluble (in water) |
| Melting point/range | : 100 - 120 °C |
| Boiling point/boiling range | : Not applicable |
| Flash point | : Not applicable |
| Bulk density | : No data available |
| Flammability (solid, gas) | : Combustible Solids |
| Auto-flammability | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapour pressure | : No data available |
| Density | : 2,36 g/cm ³ |
| Solubility(ies) | |
| Water solubility | : insoluble |

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| | |
|--|---------------------|
| 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**

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 : Contact with acids and alkalis may release hydrogen.

Stable under recommended storage conditions.

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Acids

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Bases
Oxidizing agents
Water

10.6 Hazardous decomposition products

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

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

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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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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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

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

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

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IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

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ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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| | |
|--|--|
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : Not applicable |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : Banned and/or restricted (aluminium powder (stabilised)) |

15.2 Chemical safety assessment

No data available

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.