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

- | | | |
|-----|--------------------|--|
| 1.1 | Product identifier | MultiSorp® C |
| 1.2 | Use of substance | adsorbent |
| 1.3 | Supplier | TCDO Produktionsgesellschaft mbH
Carola-Blome-Str. 7
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3 |
| | Contact | Mr. G. Weiss
Email: office@wapotec.at |
| 1.4 | Emergency phone | +43 662 43 43 42-0
Office hours:
MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00 |

2 Hazards identification

- 2.1 Classification of the substance or mixture
- ☺ according to Directive (EC) N° 1272/2008
Not app.
The product is not classified hazardous.
 - ☺ according to Directive (EC) N° 1999/45
Not app.
The product is not classified hazardous.
- 2.2 Identification labeling
- ☺ according to Directive (EC) N° 1272/2008
Not app.
According to Directive (EC) N° 1272/2008 the product does not require hazard labeling.
 - ☺ according to Directive (EC) N° 1999/45
Not app.
According to Directive 1999/45/EC the product does not require hazard labeling.
 - ☺ Danger defining components for labeling
Not applicable.
- 2.3 Other hazards
- Consider dust limit. Explosive dust-/air mixtures are possible.

3 Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical characteristics

Activated carbon based on natural lignite.

Dangerous ingredients

Not app.

4 First-aid measures

4.1 Description of first-aid measures

No special measures required.

After inhalation

Move affected person immediately to fresh air. Consult physician if disturbances occur.

After skin contact

After skin contact, wash with water and soap and rinse thoroughly. Consult physician if skin irritation occur.

After eye contact

After eye contact, rinse eye for 10 to 15 minutes with water holding eye lids apart. In case of eye irritation consult physician.

After ingestion

Drink 1 or 2 glass of water. If stomach and intestinal irritation consult physician.

4.2 Most important symptoms and effects, both acute and delayed.

No data available.

4.3 Indications of immediate medical attention and special treatment needed.

Depending on patient's condition, symptoms and general condition should be evaluated by a physician.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂, extinguishing powder or water spray jet.

Unsuitable extinguishing media for safety reasons

Full water jet. No methods which lead to dust formation.

5.2 Special hazards arising from the substance or mixture

Fire may release following gases: carbon monoxide, carbon dioxide.

5.3 Special protective actions for fire fighters

Special protective equipment: Wear self-contained breathing apparatus and full protective clothing.

6 Accidental release of material

6.1 Personal precautions, protective equipment and suitable emergency procedures.

Wear personal protection equipment.

Avoid creation of dust, keep away sources of ignition, ventilate sufficiently.

6.2 Environmental precautions

No special measures required.

6.3 Methods and material for retention and cleaning up.

Take up mechanically. Avoid dust formation. Dispose contaminated material: see section 13.

6.4 Reference to other clauses

Protective measures see point 8

Disposal see point 13

7 Handling and storage

7.1 Protections for safe handling

Avoid dust formation. If necessary object aspiration. Ventilate sufficiently. Keep product packing closed.

7.2 Conditions for safe storage including any incompatibilities

☉ Fire and explosion protection measures

Keep away from heat and ignition sources. Do not smoke.

Product is flammable.

Smoldering produces carbon monoxide.

☉ Design of storage rooms and container

Store in a dry place. Keep away from strong oxidant agents, solvents or other chemicals.

☉ Material incompatibility

Not applicable.

☉ Recommended storage temperature

Ambient temperature

☉ VbF class

Not applicable.

7.3 Specific end uses

Adsorbent

8 Exposure controls/personal protection

8.1 Exposure limit values

General dust limit value according GKV 2007 valid for Austria

Biological inert dusts:

Respirable dust fraction (E) 10mg/m³ (daily mean value) 20 mg/m³ (short time)

Alveolar dust fraction (A): 5mg/m³ (daily mean value) 10 mg/m³ (short time)

General dust limit value TRGS 900 (as of 2006) valid for Germany:

Respirable dust fraction (E-dust) 10mg/m³

Alveolar dust fraction (A-dust): 3mg/m³

8.2 Exposure control

☉ General protective and hygiene measures

Keep away from food and drink.

When using do not eat or drink, wash hands before breaks and end of work.

Take off immediately all contaminated clothing.

Avoid eye and skin contact

☉ Respiratory protection

Local aspiration, wear respiratory protection (dust mask) if insufficient ventilation.

☉ Hand protection

Protective gloves (nitrile, chloroprene) are recommended to avoid skin contact.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The glove must be impermeable and resistant to the product. Choose glove material depending on the respective breach times, permeation rates and degradation.

☉ Eye protection

Safety glasses.

☉ Personal protection

Work wear

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties.

☉ Appearance	Solid, granulate
☉ Colour	black
☉ Odour	odourless
☉ Melting point	n. t.
☉ Boiling point / boiling range	n. t.
☉ Flash point	n. t.
☉ Self-ignition	n. t.

Explosive properties

The product is not explosive. Explosive dust-/air mixtures are possible.

Bulk density at 20 °C

appr. 0,5 kg/l

9.2 Further information

None.

10 Stability and reactivity

10.1 Reactivity

No hazardous reaction when using according to regulations.
Accumulation of fine dust causes a risk of dust explosions.

10.2 Chemical stability

Does not decompose when used for intended uses.

10.3 Possibility of hazardous reactions

Accumulation of fine dust causes a risk of dust explosions.

10.4 Conditions to avoid

Keep away from heat and ignition sources

10.5 Incompatible materials

Unknown.

10.6 Hazardous decomposition products.

No decomposition when using according to regulations.

11 Toxicological information

11.1 Acute toxicity

No test made on the product itself.

Primary irritations

Skin: Danger of mechanical irritations by dust.

Eye: Danger of mechanical irritations by dust.

Sensitization

No sensitizing effects known.

Carcinogenicity

The product does not contain any ingredients at a concentration equal or higher than 0,1%, being listed as carcinogen at the International Agency for Cancer Research (IARC) or the American Conference for Governmental Industrial Hygienic (ACGIH).

Further information

Repeated or long-term inhalation of respirable dust can result in deposits of such dust in the lung.

Classification of preparation according to CLP-Regulation (EC) No. 1272/2008 Annex I resp. Dangerous Preparations Directive 1999/45/EC.






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
Do not dispose of the product undiluted with ground water/ waters or canalization.
Generally not hazardous for water.



13 Disposal considerations

- 13.1 Waste treatment methods
Do not dispose of the product with domestic waste or in canalization.
-  Waste key number and waste name
- | | |
|------------------------|---|
| Unused material: 31417 | Activated carbon |
| Used material: 31434 | spent filter material and absorbants with application-specific harmless contaminants (e.g. diatomaceous earth, activated soils, activated carbon) |
-  European waste catalogue
EAK-waste key is source-related. This may lead to another classification.
The decision is up to the enduser.
-  Contaminated packaging material
Recommendation:
Clean with water and if necessary with cleanser. Re-use or disposal according to local regulation.



14 Transport information

Non hazardous material according ADR/ IMDG/ RID




**15 Regulatory information**

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


This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006.
The alloy is classified according to Dangerous Preparations Directive (EC) 1999/45 and to regulation (EC)1272/2008 Annex I.

National regulatory:

Austria:

-  Labeling according to BGBl II 2000/81 ChemV 1999.
The product is not classified and does not require hazards identification.
-  ChemG 1996
This product is not classified hazardous according to the Austrian chemical legislation of 1996.
-  VbF - Directive about combustible liquids (BGBl 1991/240)
This product is not classified as combustible liquid

Germany:

-  Classification in water hazard classes according VwVwS dated 27.07.2005
(list assessment ident n° 801).
nwh (not water hazardous)

15.2 Chemical safety assessment

The mixture is not subject to material security test

**16 Other information**

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as a guidance for safe handling. The categorization according to Dangerous Preparations Directive 1999/45/EC resp. regulation CLP (EC)1272/2008 is based on the classification of the single component according to Annex VI of regulation CLP (EC)1272/2008 as well as upon manufacturer details completed by indications from hazardous material database.

-  Relevant R-Phrases

Not app.

-  Relevant H-Phrases

Not app.

-  Relevant hazard classification

Not app.

Issue

Number 3
Replaces Number 2 dated 26.01.2011
Modification point 14, no dangerous good

Written by

UmEnA GmbH

Translated by

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Short cuts

n. t. not tested
n. a. not applicable

