

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

- 1.1 Product identifier **MultiSorp® A**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Identified 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
- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43
Available: 0-24h

Section 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.
- 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.
Danger defining components for labeling
Not applicable.
- 2.3 Other hazards
None known.

Section 3 Composition/information on ingredients

3.1 Substances

Substance name	Activated carbon
EC-No.	231-153-3
CAS-No.	7440-44-0
Index-No.	264-846-4
REACH-No.	01-2119488894-16-0019
Sum formular	C
Molar mass	12,0 g/mol
Note	No compulsory components according to Regulation (EC) No. 1907/2006

3.2 Mixtures

☉ Chemical characteristics

Not applicable.

☉ Dangerous ingredients

None.



Section 4 First-aid measures

4.1 General information

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 plenty of water and soap and rinse thoroughly. Consult physician if disturbances 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. Consult physician if disturbances occur.

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

No known symptoms to date.

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.



Section 5 Fire-fighting measures

5.1 Extinguishing media

 Suitable extinguishing mediaWater, foam, dry powder fire extinguishers, carbon dioxide (CO₂). Unsuitable extinguishing media for safety reasons

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Combustible

Dust explosion hazards

Fire may release following gases: carbon monoxide (CO), carbon dioxide (CO₂).

5.3 Special protective actions for fire fighters

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



Section 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.

Advice for non-emergency personnel: Avoid inhalation of dust

6.2 Environmental precautions

No special measures required.

6.3 Methods and material for retention and cleaning up.

Observe any possible material restrictions (see section 7 resp. 10)

Dry collection. Disposal. Precision cleaning. Avoid dust formation.

6.4 Reference to other clauses

Protective measures see section 8

Disposal see section 13



Section 7 Handling and storage

7.1 Protections for safe handling

Watch out for careful handling. Avoid dust formation.

Avoid skin and eye contact.

Wear suitable protective clothing, gloves and glasses.

- 7.2 Conditions for safe storage including any incompatibilities
- ☉ Design of storage rooms and container

Keep the product hermetically sealed, store in a dry place.
Keep away from oxidizing agents and combustible materials.
The product is combustible.
 - ☉ Material incompatibility

None known.
 - ☉ Recommended storage temperature

Ambient temperature

 - ☉ VbF class

Not applicable.

- 7.3 Specific end uses
- Adsorbent

Section 8 Exposure controls/personal protection

- 8.1 Exposure limit values
- Work limit (Germany): No information
- 8.2 Exposure control
- ☉ General protective and hygiene measures

Follow usual precautions when dealing with chemicals. Keep away from food and drinks.
Do not eat or drink at work, wash hands before breaks and end of work. Avoid eye and skin contact. Avoid inhaling of steam/aerosols. Change contaminated work wear and clean it before the next wearing. Preventive skin protection.

Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier
 - ☉ Respiratory protection

Local aspiration, wear respiratory protection (dust mask P1) 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.

Glove material:
Nitrile rubber
Recommended thickness of the material: ≥ 0.11 mm
Penetration time of glove material: > 480 min.
The exact break through time has to be found out by the manufacturer of the

protective gloves and has to be observed.

- ☉ Eye protection

Tightly sealed goggles.

- ☉ Personal protection

Appropriate protective clothes.

- ☉ Other protective measures

The MAK value is the general dust limit for inert dusts of 8 mg / m³. In the case of excess, mechanical overloading of the respiratory tract is possible.

Thermal effects: None

- ☉ Environment exposure control measures: None known.



Section 9

Physical and chemical properties

9.1

Information on basic physical and chemical properties.

☉ Appearance	Solid
☉ Colour	Black
☉ Odour	odourless
☉ Odour threshold	No data available.
☉ pH	Alcaline (in in aqueous solution)
☉ Melting point	>3500 °C
☉ Boiling point / boiling range	Not applicable
☉ Flash point	Not applicable
☉ Evaporation rate	Not applicable
☉ Flammability	810 °C
☉ Dust explosion class	St 1
☉ Maximum explosion overpressure	7,2 bar (for dust)
☉ Upper explosion limit	Not applicable
☉ Lower explosion limit	Not applicable
☉ Vapor pressure	Not applicable
☉ Relative vapor pressure	Not applicable
☉ Relative density	Not applicable
☉ Water solubility	Insoluble
☉ Partition coefficient; n-octanol-water (log Pow);	0.78 (Lit)
☉ Auto ignition temperature	> 400 °C
☉ Decomposition temperature	Not applicable

- | | |
|------------------------|----------------|
| Ⓢ Viscosity | Not applicable |
| Ⓢ Explosive properties | Not applicable |
| Ⓢ Oxidizing properties | Not applicable |

9.2 Further information

No further information available. The specific product Information is mentioned in the relevant technical datasheet.



Section 10 Stability and reactivity

10.1 Reactivity

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Risk of explosion with oxidizers.

10.4 Conditions to avoid

No substances known that should be avoided.

10.5 Incompatible materials

No further information available.

10.6 Hazardous decomposition products.

No further information available.



Section 11 Toxicological information

11.1 Information on toxicological effects

No toxicological studies made on the mixture.

Ⓢ Acute oral toxicity

There are no negative effects known.

Ⓢ Acute inhalative toxicity

There are no negative effects known.

Ⓢ Acute dermal toxicity

There are no negative effects known.

Ⓢ Skin irritation

Does not cause skin sensitization

Ⓢ Eye irritation

There are no negative effects known.

- ☉ Sensitization

There are no negative effects known.

- ☉ Germ cell mutagenicity

There are no negative effects known.

- ☉ Carcinogenicity

Not classified as a human carcinogen.

- ☉ Reproductive toxicity

There are no negative effects known.

- ☉ Teratogenicity

There are no negative effects known.

- ☉ STOT – single exposure

There are no negative effects known.

- ☉ STOT – repeated exposure

There are no negative effects known.

- ☉ Aspiration hazard

There are no negative effects known.

11.2 ☉ Further information

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions. However, when the product is handled appropriately, hazardous effects are unlikely to occur.

Classification of preparation according to CLP-Regulation (EC) No. 1272/2008 Annex I.



Section 12	Ecological information
12.1	Toxicity No data available.
12.2	Persistence and degradability The methods for determining the biological degradability are not applicable to inorganic substances.
12.3	Bioaccumulative potential No significant impact on organisms; Partition coefficient n-octanol-water (log Pow): 0.78 (Lit)
12.4	Mobility in soil No data available.
12.5	Results of PBT- and vPvB-assessment

The substance does not meet the criteria for PBT or vPvB substances according to directive (EC) No. 1907/2006, Annex XIII.

- 12.6 Other adverse effects
- Other ecological information
- Water hazard class 0 (self-assessment);
Not hazardous for water.

Section 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
061302 spent activated carbon (except 060702)
 - ☉ European waste catalogue
- EAK-waste key is source-related. Waste disposal key numbers from EWC have to be assigned depending on origin and processing. 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.

Section 14 Transport information

- No dangerous good according to regulation for transport of dangerous goods.
- 14.1 UN-Number
Not applicable.
- 14.2 Proper UN-shipping name
Not applicable.
- 14.3 Transport hazard class
Not applicable.
- 14.4 Packaging group
Not applicable.
- 14.5 Environmental hazards
Not applicable.
- 14.6 Special precautions for the user
Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL agreement 73/78 and according to IBC-Code

MultiSorp®A



Not applicable.



Section 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 regulation (EC)1272/2008 Annex I.

☉ Germany:

Classification in water hazard classes according VwVwS dated 27.07.2005 (list assessment ident n° 801).

nwh (not water hazardous)

☉ Major Accident Ordinance (12. BIm SchV): not applicable (Regulation 96/82/EC)

☉ Regulation (EC) N° 689/2008 concerning the export and import of dangerous chemicals: unregulated.

☉ Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer: Unregulated.

☉ Substances of Very High Concern (SVHC)

This product does not contain SVHC (Substances of Very High Concern) according to Regulations (EC) Reach N° 1907/2006; art. No. 57, exceeding the legal concentration limit of >0,1 weight approx. %

15.2 Chemical safety assessment

Not applicable.



Section 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 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 H-Phrases

Not applicable.

☉ Relevant hazard classification

Not applicable.

☉ Issue

Version 5 replaces previous versions

Amendments: 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 16

MultiSorp®A



- © Written by
- © Translated by
- © Short cuts

UmEnA GmbH (<http://www.umena.at>)

WAPOTEC GmbH

n. t. not tested

PBT persistent, bio-accumulative, toxic

vPvB high persistent, high bio-accumulative

ECHA European Chemicals Agency (<http://www.echa.eu>)

