

Identification of the substance or preparation:

Microgrit WCA

Revision date: 11.05.2010 / 20.05.2011 Date of printing: 26.05.2011

Pieplow & Brandt GmbH



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifiers

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REACH registration No.: 01-2119529248-35-0000

Use of the substance/ preparation: Industrial use of processing aids.

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

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/
downstream user/distributor): Pieplow & Brandt GmbH

P.O. Box:

Op'n Ellerhoop 18
24558 Henstedt-Ulzburg
1431

Telephone:

24550 Henstedt-Ulzburg

Telefax:

+49 4193 99790

E-mail (competent person):

+49 4193 997920

Dept. responsible for information:

sdb@pieplow-brandt.de

Information Telephone:

Pieplow & Brandt GmbH

1.4. Emergency telephone number

Dept. responsible for information:

+49 4193 99790

Emergency telephone:

Pieplow & Brandt GmbH
Only available during office hours.

+49 4193 99790

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.2. Label elements

Labelling (67/548/EEC or 1999/45/EC):

S-phrases:

S-phrases	
S22	Do not breathe dust.

2.3. Other hazards

Possible harmful effect(s) on human beings and possible symptom(s):

Processing vapours can irritate the respiratory tracts, skin and eyes.

SECTION 3: Composition/ information on ingredients

chemical characterization (preparation):

chemical name: Aluminiumoxid

CAS No.: 1344-28-1

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EC No (EINECS/ELINCS): 215-691-6
Gewichtsanteil in %: 60 - 100 %
REACH registration No.: 01-2119529248-35-0063

Full text of H-phrases: see section 16.**Additional information:**

Full text of R-phrases: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation:**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. Consult physician immediately.

In case of skin contact:

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, consult a physician.

In case of eye contact:

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Consult physician immediately.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed****Information to physician:**

Call a POISON CENTER or doctor/physician.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Water. Carbon dioxide (CO₂). Water mist Foam. Dry extinguishing powder.

Extinguishing media which must not be used for safety reasons:

not determined

5.2. Special hazards arising from the substance or mixture**5.3. Advice for firefighters****Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

Additional information:

Combustible. The product is not:

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions:**

Keep unprotected people away and stay on the upwind side. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable protective clothing.

6.2. Environmental precautions**Environmental measures:**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up:**

Treat the recovered material as prescribed in the section on waste disposal. Use approved industrial vacuum cleaner for

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removal. Collect in closed containers for disposal.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling:

Do not breathe dust. Provide adequate ventilation. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

occupational exposure limit values:

CAS No.	chemical name	AGW (DE)	unit	ppm	Peak limitation	Remark
1344-28-1	aluminium oxide	10	mg/m ³			inhalierbarer Staub / inhalable dust

8.2. Exposure controls

Technical measures:

Technical measures:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Eye protection: Tightly sealed safety glasses.

Body protection: Boots. Lab coat.

General protection and hygiene measures:

General information: Wear personal protection equipment.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

SECTION 9: Physical and chemical properties

9.1. information on basic physical and chemical properties

Physical state: solid

Colour: white / brown

Odour: odourless

Important health, safety and environmental information:

	unit	Method
boiling temperature / boiling range:	2977 °C	
melting point / melting range:	2050 °C	
density:	3,94 g/cm ³	

9.2. Other information

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Relative density (air = 1) : 4

Water solubility (g/l): : insoluble

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

Das Produkt ist stabil und unter normalen Gebrauchs-, Lager- oder Transportbedingungen nicht reaktiv.

The product is stable and non reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Das Produkt ist unter normalen Bedingungen stabil.

Material is stable under normal conditions.

10.3. Possibility of hazardous reactions**10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products**

Metalloxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Irritant and corrosive effects:**

Irritating to eyes and skin.

SECTION 12: Ecological information**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: Disposal considerations****13.1. Waste treatment methods****Recommendation:**

Dispose according to legislation.

Contaminated packaging:**Recommendation:**

Dispose according to legislation.

SECTION 14: Transport information**14.1. Land transport (ADR/RID)****14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)**

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14.4. Air transport (ICAO-TI / IATA-DGR)

14.5. Additional information:

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

SECTION 16: Other information

Further remarks:

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.