

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

Trade name or designation of the mixture 480 W
Registration number -
SDS number 07008
Date of first issue 24-March-2011
Version number 1.0
Revision date 03-May-2011
Supersedes date 24-March-2011

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

Identified uses Not available.
Uses advised against None known.

Details of the supplier of the safety data sheet

Company name menzerna polishing compounds GmbH & Co. KG
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Section 2: Hazards identification**Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification T;R48/23

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended**Health hazards**

Specific target organ toxicity - repeated exposure Category 1 Causes damage to organs through prolonged or repeated exposure.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Toxic: danger of serious damage to health by prolonged exposure through inhalation. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards Not classified for hazards to the environment.
Specific hazards Not available.
Main symptoms Not available.

Label elements**Label according to Regulation (EC) No. 1272/2008 as amended**

Contains: Silica



Signal word Danger
Hazard statements Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
Response	Get medical advice/attention if you feel unwell.
Storage	Keep only in original container.
Disposal	Dispose of contents/container to Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/information on ingredients

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Aluminiumoxid	>= 50	1344-28-1 215-691-6	-	-	#
Classification:	DSD: -				
	CLP: -				
Silica	>= 10	7631-86-9 231-545-4	-	-	#
Classification:	DSD: T;R48/23				
	CLP: STOT RE 1;H372				

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Composition comments The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

Description of first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control centre immediately.

Most important symptoms and effects, both acute and delayed Not available.

Indication of any immediate medical attention and special treatment needed Not available.

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet.

Advice for firefighters

Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Special firefighting procedures	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Ensure adequate ventilation.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

Environmental precautions	Avoid release to the environment.
Methods and material for containment and cleaning up	Shovel into dry containers. Cover and move the containers. Flush the area with water.
Reference to other sections	For waste disposal, see section 13. See Section 8 for personal protective equipment.

Section 7: Handling and storage

Precautions for safe handling	Keep formation of airborne dusts to a minimum. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used. Use care in handling/storage.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store in accordance with local/regional/national/international regulation.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Aluminiumoxid (1344-28-1)	AGW	3 mg/m ³ 10 mg/m ³	Respirable dust. Inhalable dust.
Silica (7631-86-9)	AGW	4 mg/m ³	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- **Hand protection** Use protective gloves made of: Butyl rubber.

- **Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Thermal hazards Not available.

Hygiene measures Do not eat, drink or smoke when using the product. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls Not available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid.
Form	Paste.
Colour	Beige.
Odour	Characteristic.
Odour threshold	Not available.
Melting point/freezing point	> 40 °C (> 104 °F)
Boiling point, initial boiling point, and boiling range	> 100 °C (> 212 °F)
Flash point	> 65 °C (> 149 °F)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not available.

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	Not available.
Density	1.3 g/cm ³
Solubility (water)	insoluble
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	> 7 mm ² /s @ 40 °C
Percent volatile	Not available.
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None under normal conditions.
Incompatible materials	Not available.
Hazardous decomposition products	No dangerous reaction known under conditions of normal use.

Section 11: Toxicological information

Information on likely routes of exposure

Ingestion	Not available.
Inhalation	Avoid prolonged exposure.
Skin contact	Not available.
Eye contact	Not available.

Symptoms Not available.

Information on toxicological effects

Components

Test results

Aluminiumoxid (1344-28-1)	Acute Dermal LD50 >= 5000 mg/kg Acute Inhalation LD50 >= 1000 mg/kg 4 hours Acute Oral LD50 >= 5000 mg/kg
Silica (7631-86-9)	Acute Oral LD50 Mouse: > 15000 mg/kg Acute Oral LD50 Rat: > 22500 mg/kg

Serious eye damage/eye irritation	Not available.
Respiratory sensitisation	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Respiratory system.
Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Ecotoxicity Not relevant.

Toxicity

Components	Test results
Aluminiumoxid (1344-28-1)	NOEC Algae: >= 100 mg/l 72 hours NOEC Daphnia: >= 100 mg/l 48 hours NOEC Trout family (Salmonidae): >= 100 mg/l 96 hours
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not relevant.
Other adverse effects	Not available.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14: Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

Section 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I
Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II
Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V
Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)
Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Young people under 18 years old are not allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.
Chemical safety assessment	No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation. H372 - Causes damage to organs through prolonged or repeated exposure.
Revision information	Not available.
Training information	Not available.
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.
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