

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/10/2017

Reviewed on 04/10/2017

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**1 Identification**

- **Product identifier**
- **Trade name: 439 T**
- **Article number:** 07001
- **Application of the substance / the mixture** Abrasive and polishing compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Menzerna Polishing Compounds GmbH & Co. KG  
Industriestraße 25  
76470 ÖTIGHEIM  
GERMANY  
sds@menzerna.com  
Tel.: +49 (0) 7222 9157-0
- **Information department:** Product and Environmental Safety Department
- **Emergency telephone number:** +49 (0) 761 19240 (24 h) - Poisons-Information-Centre Freiburg

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\* **2 Hazard(s) identification**

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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\* **3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 1344-28-1	aluminium oxide	50-90%
CAS: 7727-43-7	barium sulphate, natural	2.5-<10%

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**4 First-aid measures**

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.

(Contd. on page 2)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/10/2017

Reviewed on 04/10/2017

Trade name: 439 T

(Contd. of page 1)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
Treat according to symptoms.

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### **5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Water spray, foam, dry powder or carbon dioxide.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Nitrogen oxides (NOx)
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

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### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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### **\* 7 Handling and storage**

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a well-ventilated place. Storage temperature: between 15 °C and 25 °C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** 10-13
- **Specific end use(s)** No further relevant information available.

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### **\* 8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 3)

**Safety Data Sheet**  
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Printing date 04/10/2017

Reviewed on 04/10/2017

Trade name: 439 T

(Contd. of page 2)

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**CAS: 1344-28-1 aluminium oxide**

PEL Long-term value: 15\*; 5\*\* mg/m<sup>3</sup>  
\*Total dust; \*\* Respirable fraction

REL Long-term value: 10\* 5\*\* mg/m<sup>3</sup>  
as Al\*Total dust\*\*Respirable/pyro powd./welding f.

TLV Long-term value: 1\* mg/m<sup>3</sup>  
as Al; \*as respirable fraction

**CAS: 7727-43-7 barium sulphate, natural**

PEL Long-term value: 15\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fraction

REL Long-term value: 10\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fraction

TLV Long-term value: 5\* mg/m<sup>3</sup>  
\*inhalable fraction; E

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:**

Normally one does not come into direct contact with the product during use. At the risk of entanglement of protective glove in rotating or linear moving machine parts protective gloves should not be worn.

Recommendation for short-term exposure: Use chemical resistant gloves.

· **Material of gloves**

Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

\* **9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Solid

Color: Green

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

(Contd. on page 4)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/10/2017

Reviewed on 04/10/2017

Trade name: 439 T

(Contd. of page 3)

· pH-value:	Not applicable.
· <b>Change in condition</b>	
Melting point/Melting range:	> 40 °C (> 104 °F)
Boiling point/Boiling range:	> 100 °C (> 212 °F)
· Flash point:	> 150 °C (> 302 °F)
· Flammability (solid, gaseous):	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Other information	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** None under normal conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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(Contd. on page 5)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/10/2017

Reviewed on 04/10/2017

Trade name: 439 T

(Contd. of page 4)

**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Waste disposal key:**  
Waste codes should be determined in consultation with the customer, supplier and disposal.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· <b>UN-Number</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

\* **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Regulation 1907/2006/EC, REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

(Contd. on page 6)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/10/2017

Reviewed on 04/10/2017

Trade name: 439 T

(Contd. of page 5)

Regulation 453/2010/EU, REACH as amended.  
Regulation 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**

CAS: 7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
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CAS: 1308-38-9	dichromium trioxide	D, CBD
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· **TLV (Threshold Limit Value established by ACGIH)**

CAS: 1344-28-1	aluminium oxide	A4
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CAS: 1308-38-9	dichromium trioxide	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The details of the safety data sheet apply only to the product described in the context of its intended use. The information is based on the current state of our knowledge. It is intended to describe our product in view of the risks posed by it and the relevant precautionary measures. It does not represent an assurance of product and quality characteristics. The information in this safety data sheet is not required under Article 31 and Annex II of Regulation EC (VO) no. 1907/2006. It is used to provide sufficient information on a voluntary basis to ensure the safe use of our product.

· **Department issuing SDS:** Product and Environmental Safety Department

· **Date of preparation / last revision** 04/10/2017 / 4

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

(Contd. on page 7)

**Safety Data Sheet**  
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**Trade name: 439 T**

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(Contd. of page 6)

ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit

· \* **Data compared to the previous version altered.**

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US