

# Material Safety Data Sheet

## according to 91/155/EEC - 2001/58/EC

**Product name :** MDC-TJ 16 Zn-Abrasive  
**Revision :** 11.03.2005      **Version :** 3.0.0  
**Print date :** 11.01.2006

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### 01. Identification of substance, preparation and company

**Product name:**

MDC-TJ 16 Zn-Abrasive (MDC Art. 127972)

**Use of the substance / preparation**

Detergent

**Manufacturer**

MDC Max Daetwyler AG

**Street/P.O.Box**

Flugplatz

**Country code/Postal code/Town/City**

CH-3368 Bleienbach

**Telephone / Telefax**

0041 (0)62 919 37 37 / 0041 (0)62 919 34 00

**Emergency information**

Schweizerisches Toxikologisches Informationszentrum ++41 (0)44 251 51 51

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### 02. Composition/information on ingredients

**Hazardous components**

2-(2-BUTOXYETHOXY)ETHANOL ; EC-No. : 203-961-6 ; CAS-No. : 112-34-5

Percentage : < 5 %

Classification : Xi ; R 36

ALKYL BENZENESULFONATE ; CAS-No. : 68411-31-4

Percentage : < 5 %

Classification : Xi ; R 41 Xi ; R 38

PROPAN-2-OL ; EC-No. : 200-661-7 ; CAS-No. : 67-63-0

Percentage : < 5 %

Classification : F ; R 11 Xi ; R 36 R 67

**Regulation (EC) No. 648/2004: Labelling for contents**

anionic surfactants 5 - < 15 %

non-ionic surfactants < 5 %

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### 03. Hazards identification

**Hazard designation**

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### 04. First-aid measures

**After inhalation**

No particular measures required.

**After skin contact**

Immediately remove all contaminated clothing.

**After eye contact**

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.).

**After ingestion**

Drink plenty of water.

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### 05. Fire-fighting measures

**Suitable extinguishing media**

Water.

**Unsuitable extinguishing media**

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None known.

### Additional information

None.

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## 06. Accidental release measures

### Personal precautions

Take the precautions customary when handling chemicals.

### Environmental precautions

Do not empty into drains.

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## 07. Handling and storage

### Information for safe handling

Avoid contact with skin and eyes.

### Information about protection against explosions and fires

No anti-explosion measures necessary.

### Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

**Storage class (VCI) :** 12

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## 08. Exposure controls and personal protection

### Components with critical values that require monitoring at the workplace (exposure limits)

2-(2-BUTOXYETHOXY)ETHANOL ; CAS-No. : 112-34-5

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Value : 100 mg/m<sup>3</sup>  
Category : = 1 =  
Remarks : Y  
Version date : 01.05.2004

PROPAN-2-OL ; CAS-No. : 67-63-0

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Value : 200 ml/m<sup>3</sup> / 500 mg/m<sup>3</sup>  
Category : 4  
Remarks : Y  
Version date : 01.05.2004

Specification : TRGS 903 - biological workplace tolerance values ( D )  
Parameter : Acetone / whole blood / end of exposure or shift  
Value : 50 mg/l  
Version date : 31.03.2004

Specification : TRGS 903 - biological workplace tolerance values ( D )  
Parameter : Acetone / urine / end of exposure or shift  
Value : 50 mg/l  
Version date : 31.03.2004

### Personal protective equipment

#### General protective and hygiene measures

Keep away from food, drink and animal feeding stuff

#### Hand protection

In full contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. In splash contact:  
Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

#### Eye protection

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Use tightly fitting safety glasses.

### Body protection

No particular measures required.

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## 09. Physical and chemical properties

### Image

**Form :** Liquid.  
**Colour :** Clear. Light yellowish.  
**Odour :** Poor, characteristic.

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	100	°C	
<b>Flash point :</b>		not applicable	°C	
<b>Vapour pressure :</b>	( 50 °C )	no data available	hPa	
<b>Density :</b>	( 20 °C )	1	g/cm <sup>3</sup>	
<b>Solvent-separation test :</b>	( 20 °C )	no data available	%	
<b>Solubility in water :</b>	( 20 °C )	100	g/l	
<b>pH value :</b>	( 20 °C / 10 g/l )	ca. 7		
<b>Flow time :</b>	( 20 °C )	no data available	s	DIN-cup 4 mm
<b>Viscosity :</b>	( 20 °C )	no data available	mPa.s	

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## 10. Stability and reactivity

### Conditions to avoid

Thermal decomposition above 230 °C.

### Materials to avoid

None.

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## 11. Toxicological information

### Toxicological tests

#### LD50/LC50 values that are relevant for classification

**Specification :** LD-50  
**Routes of entry :** oral  
**Test species :** Rat  
**Value / dosage :** > 16.6 g/kg

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## 12. Ecological information

### Details on elimination (persistence / degradability)

#### Biological degradation / elimination

**Specification :** Biodegradability according to OECD  
**Value / dosage :** > 70 %

#### Regulation on Detergents (EC) No 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request.

### Additional ecological information

#### Additional ecological data

**Specification :** Chemical oxygen demand (COD)  
**Value / dosage :** 338 g/kg

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## 13. Disposal considerations

In accordance with local official regulations.

### Product

#### Waste key

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Waste code (91/689/EEC) : 07 06 01\*

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### 14. Transport information

#### Land transport ADR/RID

**Classification**

**Class :** -

**Remarks**

#### Maritime transport IMDG/GGVSea

**Classification**

**IMDG-Code :** -

#### Air transport ICAO-TI and IATA-DGR

**Classification**

**Class :** -

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### 15. Regulatory information

#### Classification according to EEC directives

**Special designation for certain preparations**

101                      Safety data sheet available for professional user on request.

#### National regulatory information

**Regulation on inflammable liquids (VbF, Germany)**

VbF-Class : Not dangerous according to VbF

**Emission control act ("TA-Luft")**

Sum organic substances class III : < 5 %

**Water pollution classification (Germany)**

Class : 2 according VwVwS

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### 16. Other information

The user is responsible for the observance of all required statutory provisions.

#### Further information

**Relevant changes**

02. Hazardous components

**R-Phrases of components**

11	Highly flammable
36	Irritating to eyes
38	Irritating to skin
41	Risk of serious damage to eyes
67	Vapours may cause drowsiness and dizziness

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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