



Issued : December 06 , 2006  
Acc. to EU Rule : 91/155/EWG

## SAFETY DATA SHEET

Metal Cleaner  
EM - 300

### 1. Name / Preparation / Company Designation

<b>Supplier</b>	EMAG AG Gross-Gerauer Strasse 34 D-64526 Mörfelden Tel : +49-6105-40670 / Fax : +49-6105-406750
<b>Internet Email</b>	<a href="http://www.emag-germany.de">www.emag-germany.de</a> <a href="mailto:service@emag-germany.de">service@emag-germany.de</a>

### 2. Composition / Information regarding ingredients

#### Chemical characterization

Ionic and non ionic tensides

### 3. Physical and chemical properties

<b>Appearance</b>	Liquid	
<b>Form:</b> Liquid	<b>Colour:</b> Yellow/orange	<b>Smell:</b> None
<b>pH value</b>	10,8 (concentr.) 10,4 (1% solution - +25°C)	
<b>Boiling point / boiling range</b>	-	
<b>Flash point</b>	n.a.	
<b>Explosion risk</b>	-	
<b>Fire boosting properties</b>	-	
<b>Vapor pressure</b>	-	
<b>Relative density</b>	-	

### 4. Stability and reactivity

<b>Conditions to be avoided</b>	Stable if stored and used under normal conditions
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<b>Substances to be avoided</b>	-
<b>Dangerous decomposition products</b>	In case of fire toxic gases may occur
<b>Special remarks</b>	-

#### **5. Information about toxicology**

<b>Danger when swallowed</b>	Irritates the respiratory organ
<b>Danger when touched</b>	Irritates eyes and skin
<b>Danger when inhaled</b>	May irritate the mucosa
<b>Sensitivities</b>	Especially for sensitive persons repeated contact may lead to allergic reactions

#### **6. Information about ecology**

##### **Information about disposal**

- Procedure	-
- Methods of analysis	-
- Degree of disposal	> 90% according to WRMG
- Valuation	bio – degradable

<b>Additional information</b>	Water danger class WGK 1. In accordance with the criteria of OECD tensides are easily bio – degradable
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#### **7. Information about transportation**

<b>Land freight</b>	No dangerous goods in accordance with the transportation requirements and conditions
<b>Barge freight</b>	-
<b>Sea freight</b>	No dangerous goods in accordance with the transportation requirements and conditions
<b>Air freight</b>	No dangerous goods in accordance with the transportation requirements and conditions



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#### **8. Specifications**

<b>Code letter / Indication of danger acc. to 67/548/EWG and 1999/45/EG</b>	Xi – irritating
<b>R – class</b>	R36/37/38 , irritates the eyes , respiratory organs and skin
<b>S – class</b>	S2 – must not be accessible to children S24/25 – contact with eyes and skin must be avoided S26 – in case of contact with the eyes clean immediately with water and contact doctor
<b>Code letter / Indication of danger acc. to national specifications</b>	Water danger class acc. to WHG: WGK1 (self rating)

#### **9. Exposition limit and personal protection clothes**

<b>Limits of workplace</b>	The usual precautions when working with chemicals are to be observed. Hands and face are to be washed immediately before rests and after handling of the product. During usage don ` t eat, drink or smoke.
<b>General protection measures</b>	Hands to be washed after usage of the product
<b>Breathing protection</b>	Normally no personal breathing protection required
<b>Hand guard</b>	Solvent resistant gloves
<b>Eye protection</b>	Safety glasses
<b>Body protection</b>	Avoid contact with skin
<b>Hand protection</b>	Use solvent resistant gloves
<b>Hygiene measures</b>	Usual precaution measures for handling of chemicals are to be considered . When taking a rest or at stop of work with the product – wash your hands . During handling of the product – do not eat , drink or smoke .

#### **10. Handling and storage**

##### **Handling**



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<b>Direction for safe handling</b>	Take care for sufficient air ventilation . Take care for sufficient air exchange and / or absorption of air in working rooms . Use personal protection clothes .
<b>Direction for fire and explosion protection</b>	No special fire protection measures required
<b>Storage</b>	Keep container firmly closed and store in well ventilated dry place . Store in original container.
<b>Information about storage conditions</b>	To be stored at +5°C to +20°C

#### **11. First Aid Measures**

<b>General indications</b>	Never infuse something to a person who is unconscious
<b>After inhalation</b>	After inhalation of vapours go immediately to fresh air. Contact doctor
<b>After skin contact</b>	Clean immediately with much water. Remove dirty, moist clothes immediately
<b>After eye contact</b>	Clean immediately with water for min. 15 minutes – even below eyelid. If irritation subsists contact a doctor

#### **12. Measures to control fire**

<b>Appropriate extinguishing agents</b>	Carbon dioxide (CO <sub>2</sub> ), foam, dry powder, water spray jet
<b>Non suitable extinguishing Agents</b>	Solid water jet (by safety reasons)
<b>Protection clothes</b>	Use personal protection clothes
<b>Special danger in case of fire</b>	In case of fire toxic gases may be released
<b>Additional information</b>	Cool container with water spray jet



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#### **13. Measures for unintentional release**

<b>Person related precautions</b>	Use personal protection clothes. Remove all sources of ignition
<b>Environment protection measures</b>	Take care that the product cannot enter canalization or flowing waters
<b>Procedures for cleaning</b>	Pump product in a tank and clean floor with water . Abolish product in a combustion facility for special waste . For small amount of spilled product : Remove with inert sucking means
<b>Additional information</b>	-

#### **14. Information about sewage and refuse disposal**

**IMPORTANT ! THE INFORMATION GIVEN IN THIS SECTION IS ONLY VALID FOR THE CLEAN , NON POLLUTED PRODUCT**

<b>Disposal measures</b>	Decontaminate in consideration with the local, official regulations
- Not used product	The diluted products may after neutralization (pH value 6 to 9) be lead into the sewage . Concentrated products must be treated as special waste
- Remaining quantity	
- Dirty packages	If re-use is not possible treat in accordance with local, legal requirements

#### **15. Other information**

<b>Sections changed in In this edition</b>	-
<b>Wording of R sentences of ingredients set forth in section 2</b>	-
<b>Wording of S sentences of ingredients set forth in section 2</b>	-
<b>Sensitising materials</b>	-



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**16. Possible Dangers**

<b>Dangers in case of misuse</b>	Irritates eyes, respiratory organs and skin
<b>Other dangers</b>	-
<b>Specific dangers</b>	-

The information given in this security data sheet are correct to our best knowledge at the time of issue . It shall provide you with information about the safe handling of the product regarding storage , use , transportation and sewage and refuse disposal . The information is not transferable to other products . If products specified in this security data sheet are mixed or used with other materials , information of this security data sheet cannot be transferred unless explicitly mentioned .