


Material Safety Data Sheet

Conforms to EEC-19072006/EC (REACH)

General Article number: 009819 Description: Cleaning Fluid HR 1000									
1. Name of supplier Name: E.M.M. International BV Address: Marsweg 59 Postal code/ City: 8013 PE Zwolle Country: The Netherlands Telephone-number: +31-38-4676600 Fax-number: +31-38-4676699 Telephone-number for emergencies: +31-38-4676600									
2. Risks Main hazards: According to EG directives this product is not classified as dangerous. HR 1000 is considered to be relatively harmless for man and the environment.									
3. Composition/information on ingredients Application: Paint stripper and ink remover. Chemical characterisation: blend of various esters (based on natural acids). <table border="1" data-bbox="161 1294 1442 1368"> <thead> <tr> <th>Hazardous components (in case of pure materials)</th> <th>%m/m</th> <th>CAS No</th> <th>EINECS No</th> </tr> </thead> <tbody> <tr> <td>Methanol F, T; R11, R23/24/25, R39/23/24/25</td> <td><0,2</td> <td>67-56-1</td> <td>200-659-6</td> </tr> </tbody> </table>		Hazardous components (in case of pure materials)	%m/m	CAS No	EINECS No	Methanol F, T; R11, R23/24/25, R39/23/24/25	<0,2	67-56-1	200-659-6
Hazardous components (in case of pure materials)	%m/m	CAS No	EINECS No						
Methanol F, T; R11, R23/24/25, R39/23/24/25	<0,2	67-56-1	200-659-6						
4. First-aid measures Inhalation: Take the person involved into fresh air, rest, seek medical advice when symptoms continue. Skin: Rinse with water, wash with water and soap. When irritation continue seek medical attention. Eyes: Flush eyes with plenty of water as long as possible (at least 15 minutes) while eyelids are kept from eyeballs to ensure careful cleaning. Ingestion: Rinse mouth with water, spit out every time, drink plenty of water, do not induce vomiting, seek medical advice.									
5. Fire-fighting measures. Extinguishing media: Water spray, powder, foam, carbon dioxide. Extinguishing media to avoid: Powerful water jet. Unusual fire and explosion hazards: The combustion process can result in carbon monoxide. Hazardous combusting products: Carbon monoxide. Special fire fighting procedures: Standard protective equipment, wear breathing apparatus.									
6. Accidental release measures									

Personal precautions:	For personal protection see heading 8.
Environmental precautions:	Collect as many product as possible and store in a clean container for re-use or to dispose as waste.
Methods of cleaning up:	Absorb with absorbing materials and store in a container.

7. Handling precautions and storage

- Handling: Take usual precautions for working with cleaning agents/ solvents.
- Technical precautions: Good ventilation.

- Storage: Keep drum tightly closed .
- Packing material: Polyethylene.

8. Measures to control exposure/personal protection

- Engineering controls: Good ventilation.
- Hygienic precautions: Do not eat, drink or smoke during use of the product.
- Components with limit values that require monitoring at the workplace:
MAC-value: Substance is not subject to recognised exposure limits.

- Personal protective equipment:
 - Respiratory: Good ventilation.
 - Hands: Wear nitril rubber gloves.
 - Eyes: Wear safety goggles.
 - Skin: Wear work clothes.

9. Physical and chemical data

Physical state:	Liquid
Color:	Colorless
Flash point:	> 100°C
Explosion Limits:	unknown
Specific gravity:	unknown
Solubility:	in water: partially
Viscosity:	unknown
Vapor Density:	unknown
Vapor pressure:	0.06 mbar at 20°C
Relative density	1.09 g/ml
pH:	5-7 (5%)
Flashpoint:	>100°C
Oxidizing properties:	None
Boiling point:	200°C
Explosions limits:	unknown

10 Stability and reactivity

- Stability: Stable.
- Conditions to avoid: Oxidizing materials, strong alkaline and strong acid materials.
- Materials to avoid: Grounds that are affected by solvents; if in doubt first try at a less visible place.
- Hazardous decomposition: Carbon monoxide (after pyrolyse).

11. Toxic data

Direct toxicity:	HR 1000 in itself is not toxicologically investigated
- respiration:	may cause temporary slight irritation effect
- skin contact	may cause temporary slight irritation effect
- eye contact	can cause irritation to mucous eye membranes
- ingestion:	can cause sickness
Other information:	none.

12. Ecological data

Ecotoxic effects :	HR 1000 is fully biodegradable.
Further information:	HR 1000 is heavier than water.

13. Instructions for removal

Methods of disposal / Waste of residues / Contaminated packaging:

Absorb residue with absorbing materials thoroughly and store in closed containers.

Transport according to local legislation.

Polluted packing:

Completely empty packing. Can be offered for recycling, reconditioning or destruction.

14. Transport classification

International transport regulations

UN-Nr.: not classified

Land - Road/Railway

ADR/RID Class: n.a.

Packing Group: n.a.

ADR/RID label: n.a.

Maritime transport IMDG: n.a.

Air transport ICAO-TI and IATA-DGR: n.a.

15. Legally obliged data

EU Regulations: The product is not labeled in accordance to the EU regulations.

Chemical identification: Paint stripper and ink remover.

Annex I numbering: n.a. (preparation).

Classification based on: Calculation method.

Symbol(s): --

Safety Phrases: --

Risk Phrases: --

16. Further information

Legislation This Material Safety Data Sheet meets the EG line of action (1907/2006 (REACH))

Explanation of Risk phrases from chapter 2 (in case of pure material):

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Notice to Reader

All data included in this data sheet are collected with greatest care and are meant to inform the user of our product on aspects of health, safety and environment. The given information does not warrant the qualities or performance of the product itself. Each user has his own responsibility for meeting the required legal regulations as mentioned in this data sheet, if applicable in the present working conditions. Furthermore, the user has to make sure that the product can be used for the desired application and usage.

Both E.M.M. International B.V. and related companies disclaim any responsibility for damage of any kind, caused by injudicious use of the product or data in this data sheet. We also disclaim responsibility for advices divergent from the (technical)(material safety) data sheet, that are not issued on paper by or on behalf of the product management of E.M.M. International.

Created by:

E.M.M. International BV

Marsweg 59

8013 PE Zwolle

The Netherlands

phone +31 38 4676600

fax +31 38 4676699

www.emm.com