

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Heliowash Gravure Ink Remover Intensiv  
Product code : 1411900  
Product group : Cleaning product.

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Cleaning agent

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

MDC Max Daetwyler GmbH  
Raiffeisenstraße 27  
DE 64347 Griesheim  
Duitsland  
T +49615587130, F +49615564210  
[info@daetwylergmbh.de](mailto:info@daetwylergmbh.de), [www.daetwylergmbh.com](http://www.daetwylergmbh.com)

**1.4. Emergency telephone number**

| Country/Area | Organisation                                                                                                                                                                                           | Emergency number   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Germany      | Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen.<br>Klinische Toxikologie. Universitätsmedizin der Johannes Gutenberg-Universität Mainz.<br>Langenbeckstraße 1. Gebäude 601 55131 Mainz. | +49 (0) 6131 19240 |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------|
| First-aid measures general            | : In all cases of doubt, or when symptoms persist, seek medical attention.                |
| First-aid measures after inhalation   | : In case of serious or continuous discomfort, provide fresh air and seek medical advice. |
| First-aid measures after skin contact | : Wash immediately with lots of water. If necessary seek medical advice.                  |
| First-aid measures after eye contact  | : Wash immediately with lots of water. If necessary seek medical advice.                  |
| First-aid measures after ingestion    | : Rinse mouth out with water. If necessary seek medical advice.                           |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |               |
|-------------------------------------|---------------|
| Symptoms/effects after skin contact | : None known. |
| Symptoms/effects after eye contact  | : Redness.    |
| Symptoms/effects after ingestion    | : None known. |

#### 4.3. Indication of any immediate medical attention and special treatment needed

None known.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                   |
|--------------------------------|-----------------------------------|
| Suitable extinguishing media   | : Water spray, powder, foam, CO2. |
| Unsuitable extinguishing media | : None.                           |

#### 5.2. Special hazards arising from the substance or mixture

|                  |         |
|------------------|---------|
| Fire hazard      | : None. |
| Explosion hazard | : None. |

#### 5.3. Advice for firefighters

|                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| Precautionary measures fire    | : Gloves. Protective clothing. On heating: wear respiratory equipment. |
| Firefighting instructions      | : No specific firefighting instructions required.                      |
| Protection during firefighting | : No specific measures are necessary.                                  |
| Other information              | : None known.                                                          |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Do not touch spilled material. Do not breathe vapour. Do not breathe fumes. Do not breathe spray. Remove contaminated clothing and shoes. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

|                      |                                |
|----------------------|--------------------------------|
| Protective equipment | : Gloves. Protective clothing. |
|----------------------|--------------------------------|

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### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

### 6.3. Methods and material for containment and cleaning up

|                         |                               |
|-------------------------|-------------------------------|
| For containment         | : Dike and contain spill.     |
| Methods for cleaning up | : Collect spillage.           |
| Other information       | : Rinse with plenty of water. |

### 6.4. Reference to other sections

Reference to other sections (8, 13).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Precautions for safe handling | : Do not eat, drink or smoke when using this product. |
|-------------------------------|-------------------------------------------------------|

### 7.2. Conditions for safe storage, including any incompatibilities

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Storage conditions  | : Keep container tightly closed and in well ventilated place. Keep out of frost. |
| Packaging materials | : Suitable packing materials Plastic, Metal.                                     |

### 7.3. Specific end use(s)

Cleaning product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Heliowash Gravure Ink Remover Intensiv |                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Belgium - Occupational Exposure Limits |                                                                                                                       |
| OEL TWA                                | Here follows a summary list of the hazardous components mentioned in paragraph 3, of which the TLV value is known: /. |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

The level of protection and types of measures depend on workplace conditions. Adequate ventilation must be provided so that exposure limits are not exceeded. For more information, see section 7.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Safety glasses. Protective clothing.

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### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

In case of repeated or prolonged contact wear gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

None.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Comply with relevant environmental regulations limiting discharges to air, water and soil. Protect the environment by applying proper control measures to prevent or reduce releases. For more information, see sections 6 and 13.

##### Other information:

No additional information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Physical state                                  | : Liquid                       |
| Colour                                          | : Colourless.                  |
| Odour                                           | : Characteristic.              |
| Odour threshold                                 | : Not applicable.              |
| Melting point                                   | : < -65 °C                     |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : 200 °C                       |
| Flammability                                    | : Not applicable.              |
| Explosive properties                            | : Not applicable.              |
| Oxidising properties                            | : Not applicable.              |
| Explosive limits                                | : Not applicable.              |
| Lower explosive limit (LEL)                     | : Not available                |
| Upper explosive limit (UEL)                     | : Not available                |
| Flash point                                     | : 92 °C                        |
| Auto-ignition temperature                       | : 210 °C                       |
| Decomposition temperature                       | : No data available.           |
| pH                                              | : Not applicable.              |
| pH solution                                     | : Not applicable.              |
| Viscosity, kinematic                            | : 1532 mm²/s @ 20 °C.          |
| Viscosity, dynamic                              | : No data available.           |
| Solubility                                      | : Completely soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Vapour pressure                                 | : 0.023 bar @ 20 °C.           |
| Vapour pressure at 50°C                         | : Not available                |
| Density                                         | : 0.99 kg/l @ 20 °C.           |
| Relative density                                | : Not available                |

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Relative vapour density at 20°C : Not available  
Particle characteristics : Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : 17.38  
VOC content : 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

### 10.2. Chemical stability

Extremely high or low temperatures.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### 10.5. Incompatible materials

Keep away from (strong) acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Heliowash Gravure Ink Remover Intensiv |                                         |
|----------------------------------------|-----------------------------------------|
| ATE CLP (dermal)                       | 2000 mg/kg                              |
| Skin corrosion/irritation              | : Not classified<br>pH: Not applicable. |
| Serious eye damage/irritation          | : Not classified<br>pH: Not applicable. |
| Respiratory or skin sensitisation      | : Not classified                        |
| Germ cell mutagenicity                 | : Not classified                        |
| Carcinogenicity                        | : Not classified                        |
| Reproductive toxicity                  | : Not classified                        |
| STOT-single exposure                   | : Not classified                        |
| STOT-repeated exposure                 | : Not classified                        |
| Aspiration hazard                      | : Not classified                        |
| Heliowash Gravure Ink Remover Intensiv |                                         |
| Viscosity, kinematic                   | 1532 mm²/s @ 20 °C.                     |

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### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No data available.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 12.2. Persistence and degradability

#### Heliowash Gravure Ink Remover Intensiv

|                               |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability | 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 or at the request of a detergent manufacturer. |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 12.3. Bioaccumulative potential

#### Heliowash Gravure Ink Remover Intensiv

|                           |                    |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |
|---------------------------|--------------------|

### 12.4. Mobility in soil

#### Heliowash Gravure Ink Remover Intensiv

|                |        |
|----------------|--------|
| Ecology - soil | WGK 1. |
|----------------|--------|

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : No additional information available.

### 12.7. Other adverse effects

Additional information : No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.  
Waste treatment methods : Do not flush into surface water or sewer system. Dispose of at a licensed waste collection centre.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

## SECTION 14: Transport information

In accordance with ADR

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### 14.1. UN number or ID number

UN-No. (ADR) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not submitted to ADR.

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### VOC Directive (2004/42)

VOC content : 100 %

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No data available

### SECTION 16: Other information

| Indication of changes |              |        |          |
|-----------------------|--------------|--------|----------|
| Section               | Changed item | Change | Comments |
| 8.2                   |              |        |          |
| 11                    |              |        |          |
| 12.7                  |              |        |          |
| 16                    |              |        |          |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.