SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006 (REACH)  
Revision date: 20-Feb-2015  
Print date: 14-Sep-2015

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AS 72-K

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier  
Trade name/designation:  
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1.2. Relevant identified uses of the substance or mixture and uses advised against  
Use of the substance/mixture:  
Release Agent

1.3. Details of the supplier of the safety data sheet  
Supplier (manufacturer/importer/only representative/downstream user/distributor):  
Jost Chemicals GmbH  
Gottlieb-Daimler-Str. 10  
69514 Laudenbach  
Germany  
Telephone: 0049-6201-42810  
Telefax: 0049-6201-45590  
E-mail: info@jost-chemicals.de  
Website: www.jost-chemicals.de

1.4. Emergency telephone number  
R&D, Telefon auskunftgebender Bereich: 0049-(0)6201-42810, Notfallauskunft: R&D (Mo - Fr. 08.00 - 16.00 Uhr), 0049-(0)6201-42810 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]  
According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -  
Supplemental Hazard information (EU): -

<table>
<thead>
<tr>
<th>Precautionary statements Prevention</th>
</tr>
</thead>
<tbody>
<tr>
<td>P270</td>
</tr>
<tr>
<td>Do no eat, drink or smoke when using this product.</td>
</tr>
</tbody>
</table>

2.3. Other hazards  
No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures  
Description:  
Fatty acids and color
Hazardous ingredients / Hazardous impurities / Stabilisers:

<table>
<thead>
<tr>
<th>product identifiers</th>
<th>Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 85586-25-0</td>
<td>Fatty acids, rape-oil, Me esters</td>
<td>29 – 49 Wt %</td>
</tr>
<tr>
<td>EC No.: 287-828-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACH No.: 01-2119471664-32-0000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
No special measures are necessary.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap.

After eye contact:
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
No known symptoms to date.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water spray Foam

Unsuitable extinguishing media:
High power water jet

5.2. Special hazards arising from the substance or mixture
Carbon dioxide (CO2)
Carbon monoxide

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Personal precautions:
Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.
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6.1.2. For emergency responders
Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections
Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information
Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advises on safe handling:
Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special fire protection measures are necessary.

Measures to prevent aerosol and dust generation:
No special measures are necessary.

Advises on general occupational hygiene
When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:
Keep/Store only in original container.

Hints on storage assembly:
Do not store together with: Food and feedingstuffs

Storage class: 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)
Recommendation:
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment
Eye/face protection:
Eye glasses with side protection

Skin protection:
Tested protective gloves must be worn DIN EN 374 Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.
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Respiratory protection:
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.2.3. Environmental exposure controls
No data available

8.3. Additional information
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state: liquid
Colour: green
Odour: Fatty acid

Safety relevant basis data

<table>
<thead>
<tr>
<th>parameter</th>
<th>at °C</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7 – 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 200 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature (°C):</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ignition temperature in °C</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour density</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>0.9 – 0.92 g/cm³</td>
<td>20 °C</td>
<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water solubility (g/L)</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>not determined</td>
<td></td>
<td></td>
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</tbody>
</table>

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Oxidising agent, strong

10.6. Hazardous decomposition products
Does not decompose when used for intended uses.
SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity: No known symptoms to date.
Acute dermal toxicity: No known symptoms to date.
Acute inhalation toxicity: No known symptoms to date.
Respiratory or skin sensitisation: not sensitising.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: There are no data available on the mixture itself.
Terrestrial toxicity: There are no data available on the mixture itself.

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Results of PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>85586-25-0</td>
<td>Fatty acids, rape-oil, Me esters</td>
<td>—</td>
</tr>
</tbody>
</table>

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose according to legislation.

Waste treatment options

Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Completely emptied packages can be recycled.

13.2. Additional information
No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.
not relevant

14.2. UN proper shipping name
not relevant
### 14.3. Transport hazard class(es)
not relevant

### 14.4. Packing group
not relevant

### 14.5. Environmental hazards
not relevant

### 14.6. Special precautions for user
not relevant

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not relevant

### SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation
No data available

#### 15.1.2. National regulations

[DE] National regulations

**Water hazard class (WGK)**

**WGK:**
1 - schwach wassergefährdend

#### 15.2. Chemical Safety Assessment
No data available

#### 15.3. Additional information
No data available

### SECTION 16: Other information

#### 16.1. Indication of changes
No data available

#### 16.2. Abbreviations and acronyms
No data available

#### 16.3. Key literature references and sources for data
Data arise from reference works and literature.

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**
This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)
No data available

#### 16.6. Training advice
No data available
16.7. Additional information
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.