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

1.1. Product identifier
markSolid 114.M9AS

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

Use of the substance/mixture
Firing, coating for metals

1.3. Details of the supplier of the safety data sheet
Company name: Pigmentum GmbH
Street: Schillerstr. 35
Place: D-90547 Stein
Telephone: +49 (0) 911-2126-0
Fax: +49 (0) 911-21260-10
E-mail: office@markSolid.de
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number:
Emergency telephone: +49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Indications of danger: F+ - Extremely flammable, Xn - Harmful, Xi - Irritant
R phrases:
- Extremely flammable.
- Irritating to eyes.
- Limited evidence of a carcinogenic effect.
- Vapours may cause drowsiness and dizziness.

GHS classification
Hazard categories:
- Aerosol: Aerosol 1
- Serious eye damage/eye irritation: Eye Irrit. 2
- Carcinogenicity: Carc. 2
- Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:
- Extremely flammable aerosol.
- Pressurised container: May burst if heated.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.
- Suspected of causing cancer.

2.2. Label elements

Hazardous components which must be listed on the label
- acetone; propan-2-one; propanone
- 1-methoxy-2-propanol; monopropylene glycol methyl ether
- molybdenum trioxide

Signal word: Danger
Pictograms: GHS02-GHS07-GHS08
Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to in accordance with local and national regulations.

2.3. Other hazards

Inhalation of vapours in high concentration can cause narcotic effects.
Intensive spraying of parts of the skin can result in frostbite of these parts.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No</td>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Index No</td>
<td>GHS classification</td>
<td></td>
</tr>
<tr>
<td>REACH No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200-578-6</td>
<td>ethanol, ethyl alcohol</td>
<td>&lt;40 %</td>
</tr>
<tr>
<td>64-17-5</td>
<td>F - Highly flammable</td>
<td></td>
</tr>
<tr>
<td>603-002-00-5</td>
<td>Flam. Liq. 2; H225</td>
<td></td>
</tr>
<tr>
<td>204-065-8</td>
<td>dimethyl ether</td>
<td>&lt; 25 %</td>
</tr>
<tr>
<td>115-10-6</td>
<td>F+ - Extremely flammable</td>
<td></td>
</tr>
<tr>
<td>603-019-00-8</td>
<td>Flam. Gas 1; H220</td>
<td></td>
</tr>
<tr>
<td>200-662-2</td>
<td>acetone; propan-2-one; propanone</td>
<td>15 - &lt; 20 %</td>
</tr>
<tr>
<td>67-64-1</td>
<td>F - Highly flammable, Xi - Irritant</td>
<td></td>
</tr>
<tr>
<td>606-001-00-8</td>
<td>Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336</td>
<td></td>
</tr>
<tr>
<td>203-539-1</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>10 - &lt; 15 %</td>
</tr>
<tr>
<td>107-98-2</td>
<td>R10-67</td>
<td></td>
</tr>
<tr>
<td>603-064-00-3</td>
<td>Flam. Liq. 3, STOT SE 3; H226 H336</td>
<td></td>
</tr>
<tr>
<td>215-204-7</td>
<td>molybdenum trioxide</td>
<td>&lt; 10 %</td>
</tr>
<tr>
<td>1313-27-5</td>
<td>Carc. Cat. 3, Xi - Irritant</td>
<td></td>
</tr>
<tr>
<td>042-001-00-9</td>
<td>Carc. 2, Eye Irrit. 2, STOT SE 3; H351 H319 H335</td>
<td></td>
</tr>
<tr>
<td>215-535-7</td>
<td>xylene</td>
<td>1 - &lt; 5 %</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xi - Harmful, Xi - Irritant</td>
<td></td>
</tr>
<tr>
<td>601-022-00-9</td>
<td>Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315</td>
<td></td>
</tr>
</tbody>
</table>

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove contaminated soaked clothing immediately.
Take away from danger area and lay down affected person.
Intensive spraying of parts of the skin can result in frostbite of these parts.

After inhalation
Move to fresh air in case of accidental inhalation of vapours.
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of vapours in high concentration can cause narcotic effects. If you feel unwell, seek medical advice.

After contact with skin
Wash off with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes
If eye irritation persists, consult a specialist.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

After ingestion
Do not induce vomiting.
Summon a doctor immediately.
4.2. Most important symptoms and effects, both acute and delayed

Limited evidence of a carcinogenic effect.
Vapours may cause drowsiness and dizziness

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Foam, carbon dioxide (CO2), dry chemical, water-spray.

Unsuitable extinguishing media
Full water jet.

5.2. Special hazards arising from the substance or mixture

Fire may produce:
Carbon monoxide and carbon dioxide

5.3. Advice for firefighters

Use breathing apparatus with independent air supply.

Additional information
Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Heating will cause pressure rise with risk of bursting.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator.
Fire or intense heat may cause violent rupture of packages.
Ensure adequate ventilation.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

6.4. Reference to other sections

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours or spray mist. Avoid contact with the skin and the eyes.

Advice on protection against fire and explosion
Do not spray on a naked flame or any other incandescent material.
Heating will cause pressure rise with risk of bursting.
Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep containers tightly closed in a cool, well-ventilated place.
Storage rooms under 300th TRG

Advice on storage compatibility
Incompatible with oxidizing agents.

Further information on storage conditions
Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
Firing, coating for metals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-98-2</td>
<td>1-Methoxypropan-2-ol</td>
<td>100</td>
<td>375</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td>560</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>500</td>
<td>1210</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1500</td>
<td>3620</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>115-10-6</td>
<td>Dimethyl ether</td>
<td>400</td>
<td>766</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500</td>
<td>958</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethanol</td>
<td>1000</td>
<td>1920</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene: mixed isomers</td>
<td>50</td>
<td>220</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>441</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

Biological Monitoring Guidance Values (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Parameter</th>
<th>Value</th>
<th>Test material</th>
<th>Sampling time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene, o-, m-, p- or mixed isomers</td>
<td>methyl hippuric acid</td>
<td>650 mmol/mol</td>
<td>urine</td>
<td>Post shift</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
Provide sufficient air exchange and/or exhaust in work rooms.

Protective and hygiene measures
Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Avoid contact with eyes and skin.

Eye/face protection
Safety goggles with side protection (EN 166).

Hand protection
Chemical-resistant gloves (EN 374).
Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

Skin protection
Long sleeved clothing (EN 368).
Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type AX) (EN 141).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Aerosol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>Light grey</td>
</tr>
<tr>
<td>Odour:</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

Test method: n.a.

Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>n.a.</td>
</tr>
<tr>
<td>Lower explosion limits:</td>
<td>2.1 vol. %</td>
</tr>
<tr>
<td>Upper explosion limits:</td>
<td>9.4 vol. %</td>
</tr>
</tbody>
</table>

Explosive properties:

In use formation of flammable/explosive vapour-air mixtures possible.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Fire or intense heat may cause violent rupture of packages.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Further information

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.
Acute toxicity

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure routes</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol, ethyl alcohol</td>
<td>oral</td>
<td>LD50</td>
<td>6200 mg/kg</td>
<td>Rat</td>
<td>IUCLID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h)</td>
<td>LC50</td>
<td>95,6 mg/l</td>
<td>Rat</td>
<td>RTECS</td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>oral</td>
<td>LD50</td>
<td>5800 mg/kg</td>
<td>Ratte</td>
<td>RTECS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>20000 mg/kg</td>
<td>Kaninchen</td>
<td>IUCLID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h)</td>
<td>LC50</td>
<td>76 mg/l</td>
<td>Ratte</td>
<td></td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 5000 mg/kg</td>
<td>Rat</td>
<td>IUCLID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>11000 mg/kg</td>
<td>rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative vapour</td>
<td>LC50</td>
<td>54,6 mg/l</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>1313-27-5</td>
<td>molybdenum trioxide</td>
<td>oral</td>
<td>LD50</td>
<td>2690 mg/kg</td>
<td>Rat</td>
<td>GESTIS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h)</td>
<td>LC50</td>
<td>&gt; 5,840 mg/l</td>
<td>Rat</td>
<td>GESTIS</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>dermal</td>
<td>ATE</td>
<td>1100 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative vapour</td>
<td>ATE</td>
<td>11 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative aerosol</td>
<td>ATE</td>
<td>1,5 mg/l</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes serious eye irritation.

Sensitising effects
Based on available data, the classification criteria are not met.

STOT-single exposure
May cause drowsiness or dizziness. (acetone; propan-2-one; propanone), (1-methoxy-2-propanol; monopropylene glycol methyl ether)

Severe effects after repeated or prolonged exposure
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Suspected of causing cancer. (molybdenum trioxide)
Limited evidence of a carcinogenic effect.

Aspiration hazard
Based on available data, the classification criteria are not met.

Practical experience

Observations relevant to classification
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Inhalation of vapours in high concentration can cause narcotic effects.
Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.
### SECTION 12: Ecological information

#### 12.1. Toxicity

No data available.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Method</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol, ethyl alcohol</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>8140 mg/l</td>
<td>96 h</td>
<td></td>
<td>Golden orfe</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>9268 - 14221</td>
<td>48 h</td>
<td></td>
<td>Daphnia magna</td>
<td>IUCLID</td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>5540 mg/l</td>
<td>96 h</td>
<td></td>
<td>Onchorhynchus mykiss</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>6100 mg/l</td>
<td>48 h</td>
<td></td>
<td>Daphnia magna</td>
<td></td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>4600 - 10000</td>
<td>96 h</td>
<td></td>
<td>Leuciscus idus</td>
<td>IUCLID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>&gt; 1000 mg/l</td>
<td>72 h</td>
<td></td>
<td>Selenastrum capricornutum</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>&gt; 500 mg/l</td>
<td>48 h</td>
<td></td>
<td>Daphnia magna</td>
<td>IUCLID</td>
</tr>
<tr>
<td>1313-27-5</td>
<td>molybdenum trioxide</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>130 mg/l</td>
<td>96 h</td>
<td></td>
<td>Onchorhynchus mykiss</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>&gt; 100 mg/l</td>
<td>72 h</td>
<td></td>
<td>Algae</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>150 mg/l</td>
<td>48 h</td>
<td></td>
<td>Daphnia magna</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

Not determined

#### 12.3. Bioaccumulative potential

Not determined

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol, ethyl alcohol</td>
<td>-0.31</td>
</tr>
<tr>
<td>115-10-6</td>
<td>dimethyl ether</td>
<td>0.1</td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>-0.24</td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>-0.437</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

Not determined

#### 12.5. Results of PBT and vPvB assessment

Not determined

#### 12.6. Other adverse effects

Low hazard to waters.

Further information

Do not flush into surface water or sanitary sewer system.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Advice on disposal

Where possible recycling is preferred to disposal. Can be incinerated, when in compliance with local regulations.
Waste disposal number of waste from residues/unused products
140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures Classified as hazardous waste.

Contaminated packaging
Offer empty spray cans to an established disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1

Classification code: 5F
Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)
14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1

Classification code: 5F
Limited quantity: 1 L

Marine transport (IMDG)
14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1

Limited quantity: See SP277
EmS: F-D, S-U

Air transport (ICAO)
14.1. UN number: UN1950
14.2. UN proper shipping name: AEROSOLS, flammable
14.3. Transport hazard class(es): 2.1
2.1 Hazard label: 2.1

Limited quantity Passenger: 30 kg G

- IATA-packing instructions - Passenger: 203
- IATA-max. quantity - Passenger: 75 kg
- IATA-packing instructions - Cargo: 203
- IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

Additional information

The substance resp. all components are in:

- TSCA: listed
- EINECS/ELINCS: listed
- DSL: listed
- AICS: listed
- ENCS/MITI: listed
- PICCS (PH): listed
- KECI (KR): listed
- HSNO: listed
- IECs: listed

SECTION 16: Other information

Changes

Changes in chapter: 2

Abbreviations and acronyms

- ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
- RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
- ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
- IMDG = International Maritime Code for Dangerous Goods
- IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
- MARPOL = International Convention for the Prevention of Pollution from Ships
Full text of R phrases referred to under Sections 2 and 3

10 Flammable.
11 Highly flammable.
12 Extremely flammable.
20/21 Harmful by inhalation and in contact with skin.
36 Irritating to eyes.
36/37 Irritating to eyes and respiratory system.
38 Irritating to skin.
40 Limited evidence of a carcinogenic effect.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Full text of H statements referred to under Sections 2 and 3

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)