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

1.1 Product identifier

Trade name: 6607 Osmo Wood Reviver

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

Application of the substance / the preparation
- Surface cleanser
- Surface active agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf

Further information obtainable from:
- Product safety department
- Phone: +49 (0) 251 / 692 - 188
- Fax: +49 (0) 251 / 692 - 462
- e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 3068 790 advisory service in German and English

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:
The classification is according to the latest editions of the EU-lists and extended by company and literature data.

2.2 Label elements

Labelling according to EU guidelines:
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Safety phrases:
- 2 Keep out of the reach of children.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Special labelling of certain preparations:
Safety data sheet available for professional user on request.

(Contd. on page 2)
Trade name: 6607 Osmo Wood Reviver

Additional information: Observe the general safety regulations when handling chemicals.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS:</th>
<th>oxalic acid</th>
<th>Xn R21/22 Acute Tox. 4, H302; Acute Tox. 4, H312</th>
</tr>
</thead>
<tbody>
<tr>
<td>144-62-7</td>
<td></td>
<td>2.5-10%</td>
</tr>
<tr>
<td>EINECS: 205-634-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index number: 607-006-00-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.
Trade name: **6607 Osmo Wood Reviver**

### 5.3 Advice for firefighters

**Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

#### 6.4 Reference to other sections

No dangerous substances are released.

### 7 Handling and storage

#### 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

When diluting always pour product into water and not vice versa.

#### Information about fire - and explosion protection:

No special measures required.

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

**Storage:**

Unsuitable material for receptacle: aluminium.

Unsuitable material for receptacle: steel.

Store only in the original receptacle.

**Information about storage in one common storage facility:**

Do not store together with alkalis (caustic solutions).

Store away from oxidizing agents.

Store away from reducing agents.

**Further information about storage conditions:**

Protect from frost.

**7.3 Specific end use(s)**

No further relevant information available.

### 8 Exposure controls/personal protection

**Additional information about design of technical facilities:**

No further data; see item 7.
8.1 Control parameters

<table>
<thead>
<tr>
<th>Ingredients with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>144-62-7 oxalic acid</td>
</tr>
<tr>
<td>WEL</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Do not eat or drink while working.
Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands:
Check protective gloves prior to each use for their proper condition.
Preventive skin protection by use of skin-protecting agents is recommended.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves Nitrile rubber, NBR

Penetration time of glove material The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR

As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR

Eye protection: Goggles recommended during refilling

Body protection: Acid resistant protective clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
Form: Fluid
Colour: Colourless
Odour: Characteristic
Trade name: 6607 Osmo Wood Reviver

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH-value at 20°C:</td>
<td>&gt; 2</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
<td>0°C</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>100°C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Self-igniting:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Vapour pressure at 20°C:</td>
<td>23 hPa</td>
</tr>
<tr>
<td>Density at 20°C:</td>
<td>1 g/cm³ (DIN 51757)</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water:</td>
<td>Fully miscible.</td>
</tr>
</tbody>
</table>

9.2 Other information

No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

144-62-7 oxalic acid

Oral [LD50] 375 mg/kg (rat)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

(Contd. on page 6)
**Trade name:** 6607 Osmo Wood Reviver

**Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### 12 Ecological information

12.1 **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

12.2 **Persistence and degradability**
- No further relevant information available.

12.3 **Bioaccumulative potential**
- No further relevant information available.

12.4 **Mobility in soil**
- No further relevant information available.

**Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

12.6 **Other adverse effects**
- No further relevant information available.

### 13 Disposal considerations

13.1 **Waste treatment methods**
- **Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 01 06</td>
<td>other acids</td>
</tr>
<tr>
<td>15 01 10</td>
<td>packaging containing residues of or contaminated by dangerous substances</td>
</tr>
</tbody>
</table>

**Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

14.1 **UN-Number**
- **ADR, ADN, IMDG, IATA:** Void
### Trade name: 6607 Osmo Wood Reviver

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>ADR, ADN, IMDG, IATA Void</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>ADR, ADN, IMDG, IATA Void</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>ADR, IMDG, IATA Void</td>
</tr>
<tr>
<td>14.5 Environmental hazards: Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 15 Regulatory information

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- R21/22 Harmful in contact with skin and if swallowed.

**Department issuing MSDS:** product safety department

**Contact:** Hr. Dr. Starp

* Data compared to the previous version altered.