SAFETY DATA SHEET
HO Brown 203

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 06.11.2013
Revision date 23.06.2015

1.1. Product identifier
Product name HO Brown 203

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/preparation Additiv : Paint. (Oil for drying / treatment of timber.)
Relevant identified uses SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
PC15 Products for treatment of non-metal surfaces
PROC1 Use in closed process, no likelihood of exposure
ERC5 Industrial use resulting in inclusion into or onto a matrix

1.3. Details of the supplier of the safety data sheet
Manufacturer
Company name Koppers Sweden AB
Postal address Lilla Garnisonsgatan 36
Postcode 25467
City HELSINGBORG
Country Sweden
Tel +4642262580
E-mail kpc.se@koppers.eu
Website http://www.kopperspc.eu
Contact person Lars Nordén

1.4. Emergency telephone number
Emergency telephone +44 (0) 1628 890 907:

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

2.2. Label elements
Hazard statements EUH 210 Safety data sheet available on request.
Other Label Information (CLP) Risk of spontaneous combustion where soaked material (e.g. cotton waste, rags, clothing) is left to dry. Place in water, in fireproof container or burn to avoid spontaneous combustion.

2.3. Other hazards
Other hazards Risk of spontaneous combustion where soaked material (e.g. cotton waste, rags, clothing) is left to dry. Place in water, in fireproof container or burn to
avoid spontaneous combustion.

SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Classification</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linseed Oil</td>
<td>CAS no.: 8001-26-1</td>
<td>F; R17</td>
<td>30 - 40 %</td>
</tr>
<tr>
<td></td>
<td>EC no.: 232-278-6</td>
<td>Pyr Liq. 1; H205</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>CAS no.: 1330-20-7</td>
<td>Flam. Liq. 3; H226</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td></td>
<td>EC no.: 215-535-7</td>
<td>Acute tox. 4; H332</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index no.: 601-022-00-9</td>
<td>Acute tox. 4; H312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: C</td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy</td>
<td>CAS no.: 64742-94-5</td>
<td>Asp. Tox. 1; H304</td>
<td>0,1 - 0,9 %</td>
</tr>
<tr>
<td>arom.</td>
<td>EC no.: 265-198-5</td>
<td>Note: H</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index no.: 649-424-00-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General**

General first aid, rest, warmth and fresh air. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention if any discomfort continues.

**Inhalation**

Fresh air. Get medical attention if any discomfort continues.

**Skin contact**

Take off contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

**Ingestion**

Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

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

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

SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- **Suitable extinguishing media**: Extinguish with carbon dioxide or dry powder.

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

- **Hazardous combustion products**: Irritating gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

### 5.3. Advice for firefighters

- **Personal protective equipment**: Wear fire / flame resistant / retardant clothing. Wear respiratory protection.

- **Fire fighting procedures**: NOTE! Use air-supplied respirators to protect against gases/fumes. Keep runoff water out of sewers and water sources. Dike for water control.

SECTION 6: Accidental release measures

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

- **General measures**: Eliminate all ignition sources if safe to do so.

- **Personal protection measures**: Ventilate well. Avoid any exposure. For personal protection, see section 8.

### 6.1.1. For non-emergency personnel

- **Emergency procedures**: Stop leak if safe to do so.
6.1.2. For emergency responders

For emergency responders

Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures

Prevent entry into drains.

6.3. Methods and material for containment and cleaning up

Cleaning method

Collect and reclaim or dispose in sealed containers in licensed waste. Dam and absorb spillages with sand, earth or other non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. For waste disposal, see section 13.

6.4. Reference to other sections

Additional information

8, 13, 14

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Contains linseed oil. Risk of spontaneous combustion. Keep away from heat, sparks and open flame. Avoid eating, drinking and smoking when using the product. Provide good ventilation. Avoid inhalation of vapours and contact with skin and eyes. Provide access to washing facilities incl. soap, skin cleanser, barrier cream and fatty cream. Observe good laboratory hygiene practices.

Protective Safety Measures

Advice on general occupational hygiene

Provide easy access to water supply and eye wash facilities. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep away from heat, sparks and open flame. Store above freezing. Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
</table>
| Xylene    | CAS no.: 1330-20-7  
            | EC no.: 215-535-7  
            | Index no.: 601-022-00-9 | 8-hour TWA: 50 ppm | 8-hour TWA: 221 mg/m3 |
|           |               | 15 min.: 100 ppm | 15 min.: 442 mg/m3 |

8.2. Exposure controls

Safety signs

Respiratory protection

In case of inadequate ventilation or when the product is heated, use suitable
Hand protection
Hand protection
Nitrile gloves are recommended. (Rubber, neoprene or PVC.)

Eye / face protection
Eye protection
Use safety goggles or face shield in case of splash risk.

Skin protection
Skin protection (except hands)
Wear suitable protective clothing as protection against splashing or contamination.

Hygiene / Environmental
Specific hygiene measures
Wash hands after contact. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
<table>
<thead>
<tr>
<th>Physical state</th>
<th>Coloured liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Dark brown.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>Value: &gt; 250 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Value: 74 °C</td>
</tr>
<tr>
<td>Density</td>
<td>Value: 1,1 g/cm³</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>None.</td>
</tr>
</tbody>
</table>

9.2. Other information

SECTION 10: Stability and reactivity
10.1. Reactivity
Reactivity
Risk of spontaneous combustion where soaked material (e.g. cotton waste, rags, clothing) is left to dry. Place in water, in fireproof container or burn to avoid spontaneous combustion.

10.2. Chemical stability
Stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Not known.

10.4. Conditions to avoid
Conditions to avoid
Heating. (>230 °C)

10.5. Incompatible materials
Materials to avoid
Avoid contact with oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products
During fire, toxic gases (CO, CO2) are formed.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Toxicological data for substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>Linseed Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Ingestion: LD50 Oralt råtta: &gt;15000 mg/kg kroppsvikt (ej akuttoxiskt)</td>
</tr>
</tbody>
</table>

Other information regarding health hazards
| General | No specific health warnings noted. |

Revision date 23.06.2015
Potential acute effects

Inhalation  May cause irritation to the respiratory system.
Skin contact  May be degreasing after frequent contact. May cause irritation.
Eye contact  May cause temporary eye irritation.
Ingestion  The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity  No specific health warnings noted.
Mutagenicity  No specific health warnings noted.
Reproductive toxicity  No specific health warnings noted.

SECTION 12: Ecological information

12.1. Toxicity
Ecotoxicity  Not classified as dangerous to the environment.

12.2. Persistence and degradability
Persistence and degradability  No recommendation given.

12.3. Bioaccumulative potential
Bioaccumulative potential  Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

12.4. Mobility in soil
Mobility  The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment
vPvB evaluation results  No data recorded.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product classified as hazardous waste  No
Packaging classified as hazardous waste  No
EWC waste code  EWC: 080111 waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

14.1. UN number
Comments  No recommendation given.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Chemical safety assessment performed

Chemical Safety Assessment: Amasis Konsult AB

SECTION 16: Other information

Supplier's notes
The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

List of relevant R-phrases (under headings 2 and 3).
- R17 Spontaneously flammable in air.

List of relevant H-phrases (Section 2 and 3).
- H304 May be fatal if swallowed and enters airways.
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H205 May mass explode in fire.
- H332 Harmful if inhaled.
- H312 Harmful in contact with skin.

Version
1

Responsible for safety data sheet
Koppers Sweden AB

Revision date 23.06.2015