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

Product identifier
Commercial Product Name: FiPW Intumescent Pipe Wrap

Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Flame-retardant agent.
Recommended restrictions: None under normal processing. Observe technical data sheet.

Details of the supplier of the product safety information
Company designation: fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de

Emergency telephone number
Emergency telephone number: +49(0)6132-84463 (24h)

2. Hazards identification

Classification of the substance or mixture
Classification according to Directive 67/548/EEC / 1999/45/EEC: This product is not classified as dangerous according to 67/548/EEC / 1999/45/EEC.

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

Label elements
Labelling (67/548/EEC or 1999/45/EC): The product does not have to be labelled according to guideline 67/548/EEC / 1999/45/EEC.
Labelling according to Regulation (EC) No. 1272/2008 [CLP]: The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

3. Composition/information on ingredients

Other data: The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directives.
4. First aid measures

Description of first aid measures

General advice: If symptoms persist, call a physician.
If inhaled: Not required
In case of skin contact: Not required
In case of eye contact: Not required
If swallowed: Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available

Indication of any immediate medical attention and special treatment needed

Immediate medical attention: No data available
Special medical treatment: No data available

5. Firefighting measures

Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2), Dry powder, Foam, Water spray jet

Extinguishing media which must not be used for safety reasons: High volume water jet

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases: Heating or fire can release toxic gas.

Advice for firefighters

Special protective equipment for firefighting: In the event of fire and/or explosion do not breathe fumes.
Additional information on firefighting: keine

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: keine
Environmental precautions

Environmental precautions: keine

Methods and material for containment and cleaning up

Methods for cleaning up: Use mechanical handling equipment.

Reference to other sections

Reference to other sections: See chapter 8/13

Additional information

Other information: Dispose of in accordance with local regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling: None under normal processing.

Advice on protection against fire and explosion: No special precautions required.

Conditions for safe storage, including any incompatibilities

Storage space and container requirements: Store in accordance with local regulations.

Hints on storage assembly: Store in accordance with the particular national regulations.

8. Exposure controls/personal protection

Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: not required under normal use

Eye protection: Eye protection: not applicable.

Skin and body protection: Body protection: not applicable.

General protective and hygiene measures:

Smoking, eating and drinking should be prohibited in the application area.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Information on environmental protection regulations: No special environmental precautions required.
9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>solid</td>
</tr>
<tr>
<td>Colour</td>
<td>dark grey</td>
</tr>
<tr>
<td>Relative density</td>
<td>1,1</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity

Thermal decomposition: No decomposition if stored and applied as directed.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid

No decomposition if used as directed.

Incompatible materials

None known.

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral toxicity [mg/kg]</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Dermal toxicity [mg/kg]</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Inhalative toxicity [mg/l]</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Irritant effect on skin</td>
<td>No skin irritation</td>
</tr>
<tr>
<td>Irritant effect on eyes</td>
<td>No eye irritation</td>
</tr>
<tr>
<td>Irritant effect on the respiratory tract</td>
<td>Nicht anwendbar.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>No known effect</td>
</tr>
<tr>
<td>Symptoms</td>
<td>No data available</td>
</tr>
</tbody>
</table>
12. Ecological information

Toxicity
Toxicity to fish [mg/l] Not applicable.
Toxicity to daphnia [mg/l] Nicht anwendbar.
Toxicity to algae [mg/l] Nicht anwendbar.

Persistence and degradability
Biodegradability
Remarks: No data available

Bioaccumulative potential
Bioaccumulation no data available

Mobility in soil
Mobility
Mobility: No data available

Results of PBT and vPvB assessment
Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Other adverse effects
Further information on ecology No information on ecology is available.

13. Disposal considerations

Waste treatment methods
Disposal considerations The product should not be allowed to enter drains, water courses or the soil. Dispose of waste according to applicable legislation.

Waste Code According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:
200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
Uncleaned empty packaging Dispose of as unused product.

14. Transport information

<table>
<thead>
<tr>
<th>14.2 Description of the goods</th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non–dangerous goods</td>
<td>Non–dangerous goods</td>
<td>Non–dangerous goods</td>
<td>Non–dangerous goods</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>Land transport ADR/RID</td>
<td>Marine transport IMDG</td>
<td>Air transport ICAO/IATA</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------</td>
<td>-----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Non dangerous good</td>
<td>Non dangerous good</td>
<td>Non dangerous good</td>
</tr>
</tbody>
</table>

**Special precautions for user**

Precautions: not required under normal use

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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable

**Additional information**

Other information (chapter 14.): Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG–Code, ICAO/IATA–DGR

**15. Regulatory information**

**Chemical safety assessment**

Safety assessment: Not relevant.

**16. Other information**

Recommended restrictions: None under normal processing. Observe technical data sheet.