1. Identification of the Substance / Preparation and the Company / Undertaking

Trade name
Collano 22.000 / Collano 22.001

Use of the substance / preparation
Thermoplastic hotmelt adhesive film

Chemical characterization
Thermoplastic adhesive film based on modified polyolefines

Supplier / Manufacturer
Collano Xiro AG
Industriestrasse 18
CH-3185 Schmitten
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www.collano.com

Collano Xiro GmbH
Alter Postweg 19-21
D-21614 Buxtehude
T +49 4161 72 58 0
F +49 4161 72 58 40
www.collano.com

Emergency telephone number
Toxikologisches Informationszentrum (CH) +41 44 251 51 51

2. Composition / Information on Ingredients

Hazardous components
The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance
Slitted or unslitted film without carrier

3. Hazards Identification
None

4. First Aid Measures

Inhalation
Move to fresh air in case of accidental inhalation of vapours of decomposition products and consult a physician.

Skin contact
Avoid contact with hot adhesive film. In case of burns cool with water, don't remove adherent material and consult a physician.

Eye contact
Not applicable

Ingestion
Not applicable
5. Fire-Fighting Measures
Suitable extinguishing media
Water mist, carbon dioxide, foam, dry chemicals. For larger fires use water mist or alcohol resistant foam.

Extinguishing media to avoid
No restrictions known so far

Hazardous decomposition products
In a fire or during decompositon hazardous and irritaiting products could be formed. At temperatures >250°C (480°F) the product will start to decompose. Critical decompositon products are CO, CO2.

6. Accidental Release Measures
Personal precautions
Follow the recommendation in chapter 7.

Environmental precautions
Avoid disposal into the environment. The product is not biodegradable.

Methods for cleaning up
Collect mechanically

7. Handling and Storage
Handling
For use at elevated temperatures an adequate ventilation is recommended. Avoid temperatures above 220°C (430˚F).

Industrial hygiene
Practice general industrial care and caution.

Storage
Do not store below 0°C (32˚F) or above 40°C (104˚F).

Place of storage
Store in a cool, dry place away from direct sunlight.

Fire- and explosion protection
Take precautionary measures against electrostatic charging. Keep away from sources of ignition.

8. Exposure Controls / Personal Protection
Control of threshold limits
No threshold limit established.

Respiratory protection
No specific requirements.

Hand protection
Wear gloves if in contact with hot adhesive film.

Eye protection
Wear safety goggles if used at elevated temperatures.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>slightly opaque</td>
</tr>
<tr>
<td>Odour</td>
<td>Odorless</td>
</tr>
<tr>
<td>Melting Range</td>
<td>115 - 130 °C / 240 - 265 °F</td>
</tr>
<tr>
<td>Density</td>
<td>0.90 g/cm³</td>
</tr>
</tbody>
</table>
Flash point: Not applicable
Solubility in water: Not water soluble
Oxidizing properties: None
Explosive properties: Not applicable

10. Stability and Reactivity
Materials and conditions to avoid
Thermal decomposition starts at 250°C (480°F).

Hazardous decomposition products
Carbon monoxide, carbon dioxide

Hazardous reactions
None known

11. Toxicological Information
Acute toxicity
Not expected to present a significant hazard due to the physical properties.

12. Ecological Information
Ecotoxicity
Ecological injuries are not known or expected under normal use.

13. Disposal Considerations
Waste from residues / unused product
Dispose of according to local and national regulations, e.g. dispose of preferably in a incineration plant suitable for plastics.

Contaminated packaging
Dispose of according to local and national regulations.

European Waste Catalogue
07 02 13 Waste plastic

14. Transport Information
Further information
Not classified as dangerous in the meaning of transport regulations (ADR / RID / IMDG / IATA)

15. Regulatory Information
Regulatory information
This product does not require classification according to the criteria of the EC and the "Gefahrenstoffverordnung".

16. Other Information
Risk phrases
Changes from previous version

Complete revision

Version 6 from 1.6.2007, replaces the version from 12.7.2006

Issuing Division / Author

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The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication