

**KÖMMERLING® USA, INC.**

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**Material Safety Data Sheet
According to 91/155 EC**

Printing date 20.01.94

Reviewed on 14.01.94

1. Identification of substance:

- Product details
 - Trade name Kömacel® / Kömatex® / Kömadur®
 - Manufacturer/Supplier:
Kömmerring, Kunststoffwerke GmbH
Zweibruckerstrabe 200
Postfach 2165
D-66929 Pirmasens
 - Informing department: Abteilung Umweltschltz
 - Emergency information: Tel.: 06331/56-7
- Tel.: 06331/56-0
Tel.: 06331/56-2553

2. Composition/Data on components:

- Chemical characterization:
CAS no. Designation:
9002-86-2 Polyvinylchloride
- Identification number(s): Not Applicable

3. Hazards identification:

- Hazard designation: void
- Information pertaining to particular dangers for man and environment: void

4. First aid measures:

- General information: No special measures required.

5. Fire fighting measures:

- Suitable extinguishing agents:
Water spray jet
Alcohol-resistant foam
Fire-extinguishing powder
Carbon dioxide
- Special hazards caused by the material, its products of combustion or flue gasses:
Formation of toxic gasses is possible during heating or incase of fire.
- Protective equipment: Wear self-contained breathing apparatus.

6. Accidental release measures:

- Person-related safety precautions: Not required.
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting: Collect mechanically.
- Additional information: No dangerous materials are released.



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7. Handling and storage:

- Handling
 - Information for safe handling: No special measures required.
 - Information about protection against explosions and fires: No special measures required.
- Storage
 - Requirements to be met by storerooms and containers: No special measures required.
 - Information about storage in one common storage facility: Not Applicable
 - Further information about storage conditions: None

8. Exposure controls and personal protection:

- Additional information about design of technical systems: No further data: see item 7.
- Personal protective equipment
- Breathing equipment: Not required.
- Protection of hands: Not required.
- Eye protection: Not required.

9. Physical and chemical properties:

- Form: Solid
- Colour: Different according to colour
- Smell: Odourless

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
• Change in condition			
• Boiling point/Boiling range:			Not applicable
• Flash point:			Not applicable
• Critical value for explosion:			
• Lower:			Not applicable
• Upper:			Not applicable
• Density at 20° C	0,5 - 1,4	g/cm ³	
• Solubility in/Miscibility with			
• Water:			Unsoluble
• Solids content:			100%

10. Stability and reactivity:

- Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
- Dangerous products of decomposition: Hydrogen chloride (HCl)

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11. Toxicological information:

- Acute toxicity:
- Primary irritant effect:
- On the skin: No irritant effect.
- Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

- General notes: Not known to be hazardous to water.

13. Disposal considerations:

- Product:
- Recommendation contact manufacturer for recycling information.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14. Transport information:

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
- ADR/RID-GGVS/E Class: -
- Maritime transport IMDG/GGVSea:
- IMDG/GGVSea Class: -
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class:

15. Regulatory information:

- Designation according to the EC guidelines: The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- National regulations
- Classification according to VbF: Void

16. Other information:

- This data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Department issuing data specification sheet: Environment protection department.