

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 4/13/07

revised on: 4/13/07

1 Material/Preparation and Company Designation

- Product data
- Trade name: KÖMACEL / KÖMATEX/ KOMABRITE / KOMABRITE DP / KÖMADUR
- Manufacturer/supplier:
Kömmerling USA, Inc.
3402 Stanwood Blvd.
Huntsville, AL 35811
Phone: 256-851-4099
- Department giving information:
Department C-PU (Chemistry – Production Environment) – Phone: 06331/56-2553
- Emergency information: Phone: 1-800-330-2239

2 Composition/Data on Ingredients

- Chemical characterization:
- CAS No. designation
9002-86-2 Polyvinyl chloride
- Identification number(s): not applicable

3 Possible Hazards

- Hazard identification: N.A.
- Special hazard information for humans and the environment: N.A.

4 First Aid Measures

- General information: No special measures required.

5 Firefighting Measures

- Suitable extinguishers:
Water spray stream
Foam
Powdered extinguisher
- Special hazards due to the material, its combustion products or gases that develop:
Poisonous gases possible during heating or in the case of fire.
- Special protective equipment: wear respiratory protection independent of ambient air.

6 Accidental Release Measures:

- Personnel-related safety measures: not required.
- Environmental measures: no special measures required.
- Methods for cleaning/absorption: absorb mechanically.
- Additional information: No hazardous materials released.

(Continued on Page 2)

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 9/24/01

revised on: 9/13/95
(Continued from Page 1)

Trade name: KÖMACEL / KÖMATEX / KOMABRITE / KOMABRITE DP/ KÖMADUR

<p>7 Handling and Storage</p> <ul style="list-style-type: none"> - Handling: - Information on safe handling: no special measures required. - Information on fire and explosion protection: no special measures required. - Storage: - Requirements of store rooms and containers: no special requirements. - Information on storage with other products: not applicable. - Other information on storage conditions: none

<p>8 Exposure limits and personal protective equipment</p> <ul style="list-style-type: none"> - Additional information on setting up technical systems: No further data, see Paragraph 7. - Personal protection equipment: - Respiratory protection: not required. - Hand protection: not required. - Eye protection: not required.
--

<p>9 Physical and chemical properties</p> <ul style="list-style-type: none"> - Form: solid - Color: varies, depending on coloring - Odor: odorless - Change of state: <li style="padding-left: 20px;">Boiling point/boiling range: not applicable - Flash point: not applicable - Explosion limits: <li style="padding-left: 20px;">Upper: not applicable <li style="padding-left: 20px;">Lower: not applicable - Density at 20°C: 0.5 – 1.4 g/cm³ - Solubility in /miscibility with water: not soluble - Solid content: 100%
--

<p>10 Stability and reactivity</p> <ul style="list-style-type: none"> - Thermal decomposition / conditions to avoid: No decomposition during use according to specifications. - Hazardous products of combustion: In the case of fire, it is possible for the following compound(s) to form: Hydrochloric acid (HCl)
--

(Continued on Page 3)

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 9/24/01

revised on: 9/13/95

Trade name: KÖMACEL / KÖMATEX / KOMABRITE / KOMABRITE DP / KÖMADUR

(Continued from Page 2)

11 Toxicology data

- Acute toxicity:
- Primary irritating effect:
- On the skin: no irritating effect
- Additional toxicology information:
In our experience and according to the information available to us, the product does not cause any effects hazardous to health with proper handling and use according to specifications.

12 Data on the ecology

- General information: No known hazards to water.

13 Disposal information

- Product:
- Recommendation: Contact manufacturer regarding recycling.
- Uncleaned packaging:
- Recommendation: Disposal according to official regulations.

14 Data on transportation

- Overland transport ADR/RID and GGVS/GGVE (across borders/domestically):
- ADR/RID-GGVS/GGVE Class: ---
- Ship transport IMDG/GGVSee:
- IMDG/GGVSee Class: ---
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: ---

15 Regulations

- Identification according to EWG Directives:
The product does not require identification according to EG Guidelines/GefStoffV
- National regulations:
- Classification according to VbF: not applicable

16 Other data

The data are based on the current state of our knowledge, however they do not represent any assurance of product properties and do not form the basis of any contractual legal relationship.

- Department issuing data sheet: Department C-PU (Chemistry – Production Environment)

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 8/10/98

revised on: 9/11/95

1 Material/Preparation and Company Designation

- Product data
-
- Trade name: KÖMACEL / KÖMATEX / KÖMADUR
- Manufacturer/supplier:
Kommerling USA
3310 Stanwood Blvd.
Huntsville, AL 35811
Phone: 256-851-4099
- Department giving information:
Department C-PU (Chemistry - Production Environment) - Phone: 06331/56-2553
- Emergency information: Phone: 06331/56-2423

2 Composition/Data on Ingredients

- Chemical characterization:
CAS No. designation
9002-86-2 Polyvinyl chloride
- Identification number(s): not applicable

3 Possible Hazards

- Hazard identification:
not applicable
- Special hazard information for humans and the environment:
not applicable

4 First Aid Measures

- General information: No special measures required.

5 Firefighting Measures

- Suitable extinguishers:
Water spray stream
Foam
Powdered extinguisher
- Special hazards due to the material, its combustion products or gases that develop:
Poisonous gases possible during heating or in the case of fire.
- Special protective equipment: wear respiratory protection independent of ambient air.

6 Accidental Release Measures:

- Personnel-related safety measures: not required.
- Environmental measures: no special measures required.
- Methods for cleaning/absorption: absorb mechanically.
- Additional information: No hazardous materials released.

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 8/10/98

revised on: 9/11/95

Trade name: KÖMACEL / KÖMATEX / KÖMADUR

7 Handling and Storage

- Handling:
- Information on safe handling: no special measures required.
- Information on fire and explosion protection: no special measures required.
- Storage:
- Requirements of store rooms and containers: no special requirements.
- Information on storage with other products: not applicable.
- Other information on storage conditions: none

8 Exposure limits and personal protective equipment

- Additional information on setting up technical systems:
No further data, see Paragraph 7.
- Personal protection equipment:
- Respiratory protection: not required.
- Hand protection: not required.
- Eye protection: not required.

9 Physical and chemical properties

- Form: solid
 - Color: varies, depending on coloring
 - Odor: odorless
- | | Value/Range | Unit | Method |
|--|----------------|-------------------|--------|
| - Change of state: | | | |
| Boiling point/boiling range: | not applicable | | |
| - Flash point: | not applicable | | |
| - Explosion limits: | | | |
| upper: | not applicable | | |
| lower: | not applicable | | |
| - Density at 20°C: | 0.5 - 1.4 | g/cm ³ | |
| - Solubility in / miscibility with water | not soluble | | |
| - Solid content: | 100% | | |

10 Stability and reactivity

- Thermal decomposition / conditions to avoid:
No decomposition during use according to specifications.
- Hazardous products of combustion:
In the case of fire, it is possible for the following compound(s) to form:
Hydrochloric acid (HCl)

(Continued on Page 3)

Safety Data Sheet
acc. to 91/155/EWG

Printing date: 8/10/98

revised on: 9/11/95

Trade name: KÖMACEL / KÖMATEX / KÖMADUR

(Continued from Page 2)

11 Toxicology data

- Acute toxicity:
- Primary irritating effect:
- On the skin: no irritating effect

- Additional toxicology information:
In our experience and according to the information available to us, the product does not cause any effects hazardous to health with proper handling and use according to specifications.

12 Data on the ecology

- General information: No known hazards to water.

13 Disposal information

- Product:
- Recommendation: Contact manufacturer regarding recycling.
- Uncleaned packaging:
- Recommendation: Disposal according to official regulations.

14 Data on transportation

- Overland transport ADR/RID and GGVS/GGVE (across borders/domestically):
- ADR/RID-GGVS/GGVE Class: ---

- Ship transport IMDG/GGVSee:
- IMDG/GGVSee Class: ---

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: ---

15 Regulations

- Identification according to EWG Directives:
The product does not require identification according to EG Guidelines/GefStoffV
- National regulations:
- Classification according to VbF: not applicable

16 Other data

The data are based on the current state of our knowledge, however they do not represent any assurance of product properties and do not form the basis of any contractual legal relationship.

- Department issuing data sheet: Department C-PU (Chemistry - Production Environment)