

SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

1. Identification

1.1. Product identifier

Product Name KARNDEAN K-99HM

Other means of identification

Other information Not applicable

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Adhesive
Restrictions on use No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Karndean Designflooring
1100 Pontiac Court
Export, PA 15632 USA
Phone: +1 (888) 266-4343

www.karndean.com

1.4. Emergency telephone number

Emergency Telephone Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887
Rocky Mountain Poison Center: 1-866-767-5089

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

Hazards not otherwise classified (HNOC)

Not applicable

2.2. Label elements

EMERGENCY OVERVIEW

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

Appearance No information available Physical state Liquid Odor No information available

2.3. Other Information

US - EN

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

No information available.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% |
|-------------------------|------------|----------|
| Glass, oxide, chemicals | 65997-17-3 | 10 - 30 |

**The exact percentage (concentration) of composition has been withheld as a trade secret*

4. First-aid measures

4.1. Description of first aid measures

| | |
|--------------|--|
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

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

| | |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

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

| | |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|

5. Fire-fighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Specific hazards arising from the chemical | No information available. |
| Hazardous combustion products | Carbon dioxide (CO ₂). Silicon dioxide. |

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Stop leak if you can do it without risk. Ensure adequate ventilation. Wash thoroughly after handling.

6.2. Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up

Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Reference to other sections

See section 8 for more information. See section 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep from freezing.

7.3 References to other sections

Reference to other sections

Section 10: STABILITY AND REACTIVITY
Section 13: DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---------------------------------------|--|----------|-------|
| Glass, oxide, chemicals 65997-17-3 | TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter | - | - |

| Chemical name | Argentina | Brazil | Chile | Colombia |
|---------------------------------------|--|------------------------------|-------|--|
| Glass, oxide, chemicals 65997-17-3 | TWA: 1 fiber/cm ³ TWA: 5 mg/m ³ | TWA: 1 fiber/cm ³ | - | TWA: 1 fiber/cm ³ TWA: 5 mg/m ³ |

| Chemical name | Costa Rica | Peru | Uruguay | Venezuela |
|---------------------------------------|--|------|---|-----------|
| Glass, oxide, chemicals 65997-17-3 | TWA: 1 fiber/cm ³ TWA: 5 mg/m ³ | - | 1 fiber/cm ³ TWA (respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers); 5 mg/m ³ TWA (inhalable particulate matter, listed under Synthetic vitreous fibers) | - |

8.2. Exposure controls

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

| | |
|--------------------------------|---|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Hand protection | Wear suitable gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers. |
| Skin and body protection | Wear suitable protective clothing. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General hygiene considerations | Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Regular cleaning of equipment, work area and clothing is recommended. |

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|------------------------------|----------------------------|
| Physical state | Liquid | |
| Appearance | No information available | |
| Color | No information available | |
| Odor | No information available | |
| Odor threshold | No information available | |
| Property | Values | Remarks • Method |
| pH | No data available | None known |
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | No data available | None known |
| Flash point | No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability | Not applicable for liquids . | |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapor pressure | No data available | None known |
| Relative vapor density | No data available | None known |
| Relative density | No data available | None known |
| Water solubility | No data available | None known |
| Solubility(ies) | No data available | None known |
| Partition coefficient | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | 30000 - 50000 mPa s | Spindle 6 @ 10 rpm @ 25 °C |

9.2. Other information

| | |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Solvent content (%) | No information available |
| Solid content (%) | 60-63 |

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

| | |
|------------------|--------------------------|
| Softening Point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | 0 g/L / 0 % |
| Density | 8.5 - 9.5 LB/GAL |
| Bulk density | No information available |

10. Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Keep from freezing.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied

11. Toxicological information

11.1. Information on toxicological effects

Inhalation Based on available data, the classification criteria are not met.

Eye contact Based on available data, the classification criteria are not met.

Skin contact Based on available data, the classification criteria are not met.

Ingestion Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-------------|-----------------|
|---------------|-----------|-------------|-----------------|

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

| | | | |
|---------------------------------------|-----------------|---|---------------------------------|
| Glass, oxide, chemicals 65997-17-3 | >2000 mg/Kg Rat | - | LC50 > 0.691 mg/l (Rattus) 4-Hr |
|---------------------------------------|-----------------|---|---------------------------------|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---|
| Skin corrosion/irritation | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---------------------------------------|-------|---------|-----|------|
| Glass, oxide, chemicals 65997-17-3 | - | Group 3 | - | - |

Legend

| | |
|---------------------------------|---|
| Reproductive toxicity | Based on available data, the classification criteria are not met. |
| STOT - single exposure | Based on available data, the classification criteria are not met. |
| STOT - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other adverse effects | No information available. |
| Interactive effects | No information available. |

12. Ecological information

12.1. Toxicity

| | |
|--------------------|-----------------------------|
| Ecotoxicity | . No information available. |
|--------------------|-----------------------------|

12.2. Persistence and degradability

| | |
|--------------------------------------|---------------------------|
| Persistence and degradability | No information available. |
|--------------------------------------|---------------------------|

12.3. Bioaccumulative potential

| | |
|------------------------|------------------------------------|
| Bioaccumulation | There is no data for this product. |
|------------------------|------------------------------------|

Component Information

12.4. Mobility in soil

| | |
|-----------------|---------------------------|
| Mobility | No information available. |
|-----------------|---------------------------|

Other adverse effects

| | |
|------------------------------|---------------------------|
| Other adverse effects | No information available. |
|------------------------------|---------------------------|

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

13. Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste from residues/unused products | It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. |
| Contaminated packaging | Dispose of in accordance with federal, state and local regulations. |

14. Transport information

| | |
|-------------|---------------|
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |

15. Regulatory information

International Inventories

| | |
|-------------|--------|
| TSCA | Listed |
| DSL | Listed |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SAFETY DATA SHEET

KARNDEAN K-99HM
Revision Number 1

Revision Date: 24-Jun-2021
Supersedes Date: Not applicable

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Revision date 24-Jun-2021

Revision note No information available.

Disclaimer

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet