

SAFETY DATA SHEETS

This SDS packet was issued with item:

071431105

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071430438 071430446 071430453 071430461 071430479 071430487 071430495 071430503 071430511 071430529
071430537 071430545 071430552 071430560 071430586 071430594 071430602 071430610 071430628 071430636
071430644 071430651 071430669 071430677 071430685 071430693 071430701 071430719 071430727 071430735
071430743 071430750 071430768 071430776 071430784 071430792 071430800 071430818 071430826 071430834
071430842 071430859 071430867 071430875 071430883 071430891 071430909 071430917 071430925 071430933
071430941 071430958 071430966 071430974 071430982 071430990 071431006 071431014 071431022 071431030
071431048 071431055 071431089 071431113 071431147 071431162 071431170 071431196 071431204 071431220
071431238 071431253 071431261 071431279 071431287 071431295 071431402 071431410 071431428 071431436
071431444 071431451 071431469 071431477 071431485 071431493 071431501 071431519 071431535 071431543
071431550 071431576 071431584

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TITLE : SAFETY DATA SHEET – KIDS-E-CROWN

| | |
|-----------|----------------|
| DOC. NO. | KED/SDS_KEC/01 |
| REV NO. | 00 |
| REV. DATE | 09.09.2022 |

1. Identification:

Product Identifier: Kids-e-Crown

Description: Ceramic shapes and parts manufactured from Yttria Stabilized Zirconium Oxide.

Other means of identification: None

Recommended use: Dental procedure

2. Manufacturer Information:

Company name: Kids-e-Dental LLP

Address: 411, Akruti Arcade, J.P. Road, Opp.A.H.Wadia School, Andheri West, Mumbai, Maharashtra 400053, India

Telephone: +91 7506038332

E-mail: kids-e-dental@gmail.com

3. Hazard Identification:

Classification according to GHS, Not classified as hazardous.

Label elements:

Hazard symbol: No Symbol

Signal word: No signal word

Hazard statement: Not applicable

Precautionary statement: Not applicable

Other hazard: Dust can occur through abrasion if the crown is subjected the mechanical loading.

4. First aid Measures:

Description of necessary first-aid measures

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| | |
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| General information: | Pay attention to self-protection. Move out of dangerous area. Keep warm, position comfortably, and cover well. Do not leave the victim unattended. |
| Inhalation: | In case of symptoms of irritation caused by vapors in thermal processing: Provide fresh air, seek medical advice if necessary. Following inhalation of dust product move to get fresh air. |
| Skin Contact: | In case of burns by molten product, seek medical treatment is necessary. |
| Eye contact: | Rinse with water. |
| Ingestion: | Rinse mouth. |
| Personal Protection for First-aid Responders: | No data available. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------|---|
| Symptoms: | No experiences of acute or chronic damages in humans have been received as yet. |
| Hazards: | Risk of skin burns caused by hot melt. |

Indication of immediate medical attention and special treatment needed

| | |
|-------------------|---|
| Treatment: | Continue with first aid measures. Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary. |
|-------------------|---|

5. Fire Fighting Measures:

Suitable (and unsuitable) extinguishing media

| | |
|---|---|
| Suitable extinguishing media: | Water spray, foam, dry powder or carbon dioxide. |
| Unsuitable extinguishing media: | High volume water jet. |
| Special hazards arising from the substance or mixture: | In the case of fire, the following hazardous smoke fumes may be released: carbon monoxide, carbon dioxide. Under certain conditions of combustion traces of other toxic substances cannot be excluded |

Special protective equipment and precautions for fire-fighters

Prepared by: Jaffer Ali Abu Bakkar – RAQA Associate;

Reviewed by: Nikhil Kitawat
Quality Assurance Manager

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Special fire-fighting: No data available.

Special protective equipment for fire-fighters: Have ready/wear respiratory protection equipment.

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin and eyes. Assure sufficient ventilation. Avoid dust formation. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Accidental release measures: No data available.

Methods and material for containment and cleaning up: Use mechanical handling equipment. Avoid dust formation.

Environmental Precautions: Do not allow to run into water channels, surface water, or into the ground.

7. Handling and storage:

Handling

Technical measures (e.g. Local and general ventilation): If the product is thermally treated, provide for a vapor exhaust device. In case of dust being formed, provide for adequate extraction.

Safe handling advice: In case of thermal processing, provide for extraction of the vapors or adequate ventilation. When using do not eat, drink or smoke. Avoid formation of dust. In case of dust being formed, provide for adequate extraction.

Contact avoidance measures: No data available.

Storage

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Safe storage conditions: Store cool and dry in the closed original packaging. With attrition of dust-like particles, there is danger of dust explosion.

Safe packaging materials: No data available.

8. Explosion control and personal production:

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls

If the product is thermally treated, provide for a vapor exhaust device. In case of dust being formed, provide for adequate extraction.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: Safety glasses with side shields

Skin Protection: No data available

Hand Protection: Additional Information: The wearing of protective gloves is not required if the granulate in question is handled at room temperature. Skin parts contaminated with dust must be cleaned with water and soap immediately. Use barrier cream regularly. Additional Information: Protective heat-insulating gloves are to be used during thermal processing.

Other: Wear suitable protective clothing.

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Respiratory Protection:

In case product dust is released or if workplace exposure limit is exceeded: Respiratory protection complying with EN 143. Note time limit for wearing respiratory protective equipment. Do not inhale vapors from hot product. Should vapors inadvertently manage to permeate into the surrounding air during thermal processing, then gas masks fitted with filters designed to combat organic vapors or breathing apparatus with an independent air supply are to be worn.

Hygiene measures:

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

9. Physical and chemical characteristics:

Information on basic physical and chemical properties

| | |
|---------------------------|-------------------|
| Physical state | Solid |
| Color | White |
| Odor | Not applicable |
| Odor threshold | Not applicable |
| pH | Not applicable |
| Melting point | 2500°C |
| Freezing point | Not applicable |
| Initial boiling point | Not applicable |
| Boiling range | Not applicable |
| Flash point | Not applicable |
| Evaporation rate | Not applicable |
| Flammability | Not applicable |
| Upper explosive limit | Not applicable |
| Lower explosive limit | Not applicable |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| | 5.75 to 5.95 |
| Relative density | g/cm ³ |
| Solubility | Not applicable |
| Partition coefficient | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not applicable |

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10. Stability and reactivity

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|-------------------------------------|--|
| Reactivity: | Under normal conditions: stable. |
| Chemical Stability: | Stable under recommended storage conditions. |
| Possibility of hazardous reactions: | Stable under normal conditions. |
| Conditions to avoid: | Extreme heat Keep away from direct sunlight. |
| Incompatible Materials: | No incompatible material known. |
| Hazardous Decomposition Products: | None under normal processing. |

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

| | |
|---------------|---|
| Inhalation: | Information on effects are given below. |
| Skin Contact: | Information on effects are given below. |
| Eye contact: | Information on effects are given below. |
| Ingestion: | Information on effects are given below. |

Acute toxicity (list all possible routes of exposure)

| | |
|---|--|
| Oral | Not classified for acute toxicity based on available data. |
| Dermal | Not classified for acute toxicity based on available data. |
| Inhalation | Not classified for acute toxicity based on available data. |
| Repeated dose toxicity | No data available. |
| Skin Corrosion/Irritation | No data available. |
| Serious Eye Damage/Eye Irritation | No data available. |
| Respiratory or Skin Sensitization | No data available. |
| Product: | No data available. |
| Carcinogenicity Product: | Not classified |
| Germ Cell Mutagenicity In vitro | No data available. |
| Product: | No data available. |
| In vitro Product: | No data available. |
| In vivo Product: | No data available. |
| Reproductive toxicity Product: | No data available. |
| Specific Target Organ Toxicity product: | No data available. |
| Specific Target Organ Toxicity product: | Single Exposure No data available. |
| Aspiration Hazard Product: | Repeated Exposure No data available. |

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Information on health hazards: No data available.
Other hazards products: No data available.

12. Ecological information

Ecotoxicity:
Acute hazards to the aquatic environment:

| | |
|-------------------------------------|--------------------|
| Fish Product: | No data available. |
| Aquatic Invertebrates Product: | No data available. |
| Toxicity to Aquatic Plants Product: | No data available. |
| Toxicity to microorganisms Product: | No data available. |

Chronic hazards to the aquatic environment:

| | |
|--|--------------------|
| Fish Product: | No data available. |
| Aquatic Invertebrates Product: | No data available. |
| Toxicity to Aquatic Plants Product: | No data available. |
| Toxicity to microorganisms Product: | No data available. |
| Persistence and Degradability | No data available. |
| Biodegradation Product: | No data available. |
| BOD/COD Ratio Product: | No data available. |
| Bioaccumulative potential | No data available. |
| Bioconcentration Factor (BCF) Product: | No data available. |

| | |
|---|---|
| Partition Coefficient n-octanol / water (log Kow) | Log Kow: No data available. |
| Product: | Not required by safety or application considerations. |
| Mobility in soil: | No data available. |
| Other adverse effects: | No data available. |
| Other hazards Product: | No data available. |

13. Disposal considerations

| | |
|-------------------------|--|
| Disposal methods: | With respect to local regulations, e.g. dispose of to waste incineration plant |
| Contaminated Packaging: | No data available. |

14. Transport information

International Regulations

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UNRTDG

Not regulated as a dangerous good

Not hazardous freight in air traffic (ICAO-TI / IATA-DGR)., FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation

IATA-DGR Not regulated as a dangerous good
Remarks:

Not classified as hazardous sea cargo (IMDG code), FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

IMDG-Code Not regulated as a dangerous good
Remarks:

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

15. Regulatory information

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

16. Other information, including date of preparation or last revision

Issue Date: 15/09/2022
Version #: 00
Further Information: No data available.

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by: Jaffer Ali Abu Bakkar – RAQA Associate;

Reviewed by: Nikhil Kitawat
Quality Assurance Manager

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