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Alloys
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MATERIAL SAFETY DATA SHEET

Sterngold Part Number: 220235, 220237

Sterngold Description: ERA Pickup 15g

Supplier Number: 213112

Supplier Description: ERA Pickup 10ml

Supplier MSDS Identification: 1300

5/8/12

Date Updated:

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

1300

Print date: 12.04.2011

MSDS: 1300

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1. Identification of the substance/preparation and of the company/undertaking

MSDS-ID: 1300

Company/undertaking identification

| | | | |
|---------------|----------------------------|----------|-------------------------|
| Company name: | indigodental GmbH & Co. KG | | |
| Street: | Fahltskamp 5 | | |
| Place: | D-25421 Pinneberg | | |
| Telephone: | +49 (0) 41 01 86 86 8-0 | Telefax: | +49 (0) 41 01 86 86 7-0 |
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2. Hazards identification

Classification

Indications of danger : Irritant
R-phrases:
Irritating to eyes, respiratory system and skin.

Explication of special hazards for human health and environment

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

3. Composition/information on ingredients

Chemical characterization (Mixture)

chemical characterization (preparation): Acrylate.-resin.

4. First aid measures

After inhalation

Exposition vermeiden. Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Consult physician.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons

High power water jet.

6. Accidental release measures

Personal precautions

Provide adequate ventilation.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Collect mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or

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universal binding agents).

7. Handling and storage**Handling****Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Storage**Requirements for storage rooms and vessels**Keep container tightly closed in a cool, well-ventilated place.
Store only in original container.**8. Exposure controls/personal protection****Exposure limit values****Exposure controls****Protective and hygiene measures**

When using do not eat or drink.

Respiratory protection

The following must be prevented: inhalation.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses.

9. Physical and chemical properties**General information**

| | |
|-----------------|----------------|
| Physical state: | Paste |
| Colour: | characteristic |
| Odour: | ester |

Important health, safety and environmental information

| | Test method |
|--------------------------------------|-----------------------|
| pH-Value (at 20 °C): | ca. 7 |
| Changes in the physical state | |
| Boiling point: | >250 °C |
| point of decomposition: | 200 °C |
| Flash point: | >150 °C |
| Vapour pressure: (at 20 °C) | 1 hPa |
| Density: | 1,5 g/cm ³ |
| Water solubility: | 10 g/L |
| Vapour density: | 1 |

Other information

| | |
|-----------------------|---------|
| Ignition temperature: | >380 °C |
|-----------------------|---------|

10. Stability and reactivity

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Conditions to avoid

heat. Light.
Decomposition takes place from temperatures above: 200 °C
Decomposition under formation of: Acrylate.

Materials to avoid

radical former. Keep away from strong acids, leachates, heavy metal salts and reducing materials.

Hazardous decomposition products

Can be released in case of fire: Gas / vapours, irritant. (Acrylate., pungent)

11. Toxicological information

Acute toxicity

LD50: Rat. 5000mg/kg

Corrosive and irritant effects

Frequently or prolonged contact with skin may cause dermal irritation.
Irritant effect on the eye:

Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

12. Ecological information

Ecotoxicity

Acute fish toxicity LC50: >360 mg/l/48h

Persistence and degradability

Preparation not tested.

Further information

Do not empty into drains or the aquatic environment.

13. Disposal considerations

Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
Paste: Carry out a burning of hazardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

14. Transport information

Other applicable information

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

Labelling

Danger symbols: Xi - Irritant

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Hazardous components which must be listed on the label

Methacrylic esters.

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of Water and soap. .

National regulatory information**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

36/37/38 Irritating to eyes, respiratory system and skin.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

ERA PICKUP

Product Specification

Pick-up material for attachments of dentures



Customer indigodental
Type of Material Pick-up material for incorporation of attachment components into denture.
Class of Material Self cure material based on multifunctional methacrylic esters.

Relevant Standards None

Typical Composition

| | |
|--------------------------------|-------------|
| EBPADMA -based resin matrix | 52 % |
| Barium glass / silicon dioxide | 47 % |
| Additives, pigments, catalysts | 1 % |
| Inorganic filler particle size | 0.02-2.5 µm |
| Volume of inorganic fillers | 26 %-vol |

Working Properties

| | |
|---|-------------------|
| Working Time at 23 °C (incl. mixing time) | >= 0:45 minutes |
| Setting Time (at 37 °C, incl. mixing time) | <= 6:00 minutes |
| Recommended Time of Removal from Mouth (incl. mixing time) | 2:00-3:00 minutes |
| Recommended Time for Trimming/Polishing (incl. mixing time) | 6:00-7:00 minutes |

Physical Properties

| | |
|---|--------------------------|
| Compressive Strength | >= 200 MPa |
| Flexural Strength = Transverse strength | >= 60 MPa |
| Diametral Tensile Strength | >= 31 MPa |
| Barcol Hardness (24 h, water @ 40 °C) | >= 20 |
| Water Sorption | <= 25 µg/mm ³ |

Instruction # 091234/02.2007

MSDS 1300-xx-xx

Tox. Properties Minimal toxicological risk. Some patients may be sensitive to components.

Storage < 25 °C, dry

Shelf-Life When stored properly until expiry date.

indigodental GmbH & Co. KG
Pinneberg, 07.08.08

A handwritten signature in black ink, appearing to read "A. Brunner".

Alexander Brunner
Scientific Affairs

This specification determines typical properties of the product. indigodental declares that the product meets or surpasses these properties. Recommendations are to the best of our knowledge. indigodental does not assume any liability that arises from the use of these data.

Specification Number: 1968 dated 07.08.08 replaces specification dated _____ and earlier specifications

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