



23 Frank Mossberg Drive · Attleboro, MA 02703

Tel: (508) 226-5660
Cust. Serv: (800) 243-9942
Fax: (508) 226-5473
Toll Free Fax: (800) 531-2685

Alloys
Attachments
Implants <http://www.sterngold.com>
Restorative
Systems

MATERIAL SAFETY DATA SHEET

Sterngold Part Number: 222001, 222002, 222004

Sterngold Description: Sterntek Custom Tray/Base Plate Material, Light Cure

Supplier Number: n/a

Supplier Description: Light Curing Tray Material

Supplier MSDS Identification: n/a

5/17/12

Date Updated:

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

1. Chemical Product and Company Identification**Product name:**

Lightcuring tray material

Application of the product:

Making of individual impression- and functional trays

Occlusal registration

Precized impression for part- or totalprosthetics

Manufacturer:**dent a pharm** Produktionsgesellschaft mbH**Street:**

Schusterring 35

Zip-Code / Town

D-25355 Barmstedt

Contact for technical information

+49 (0) 41 23 / 9225 0

Phone / Fax / E-Mail

+49 (0) 4123 / 9225 0 / +49 (0) 4123 / 9225 48 / info@dent-a-pharm.de

Emergency Information (24 hours)

Dr. Wolfgang Willmann

Phone: +49 (0) 170 – 405 30 52

2. Hazard Identification**Potential Hazards:**

irritant

Categorization: Xi, R36/37/38

Additional hazard advices for human and environment:

none

3. Composition/Information on Ingredients**Chemical characterization:****Hazardous ingredients:**

Ingredients	Cas-No./ EINECS-No./ EG-No.	Percentage (%)	Identification
Oligomeric urethane acrylate		0-10	Xi, R36
Vinyl ester resin (acrylates)		0-10	none
Triethylenglykoldi- methacrylate	Cas-No. 109-16-0 EINECS-No.203-652-6 EG-No. 607-114-00-5	0-10	none
Phosphine oxide		0-1	Xn, R62

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

4. First-Aid-Measures

General Advices:

Take off with product contaminated clothes.

After skin contact:

Wash off skin with soap and water.

Contact a physician if the skin is irritated.

After eye contact:

Rinse eyes an efficient time.

Contact ophthalmologist if irritation is persisting.

After inhalation:

Take person to fresh air.

After swallowing

Seek medical advice immediately.

5. Fire-Fighting-Measures

Suitable extinguishing agents:

Foam, Dry powder, carbon dioxide, waterspray-stream.

Adjust fire-fighting-measures to ambiance.

For safety reasons unsuitable extinguishing media:

none

**Particular danger through the product itself,
its combustion products or gases:**

not known

Protective equipment for fire-fighters:

Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).

6. Accidental release measures

Personal precautions:

Arrange for fresh air.

Environmental protection measures:

Do not drain into canalization.

Methods for cleaning / absorption:

Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

7. Handling and Storage**Handling:**

The conventional precautions for works with chemicals are to be adhered.
Wear overall while working.

Information about fire- and explosion protection:

No special measures necessary.

Storage conditions:

Store at a cool, dry and light protected place.
Storage time: 3 years if storage conditions will be kept

8. Exposure Controls/Personal Protection

Limit values for the exposition at work station and / or biological limit values
Work station limit values (AGW) Germany

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

Personal protective equipment::

Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.

Breathing protection: not necessary

Eye protection: Wear protection goggles when working at material

Hand protection: Sensibilisation: Wearing of applicable protection gloves is recommended. (by experience of the past / literature) for example Ethiparat®-gloves for 5-10 minutes, application of No-touch-Technik, minimal-contact-techniques is recommended

Body protection: Wear business usual protection clothes.

Other protection measures: none

Advices for hygienic
at work station:

Comply business usual protection- and hygienic measures.
Preventive skin protection. Wash hands and skin after finishing work.

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

9. Physical and chemical Properties**Appearance:**

Form: upper jaw and lower jaw pattern, kneadable mass
Appearance: paste-like mass
Colour: pink, blue, nature
Odour/Flavour: acrylates / methacrylates

Safety relevant data:

Flash point: not available (approx. > 100°C)
appreciated by the flash point of the ingredients
no symbol necessary
Density: not available
Solubility in water: unsoluble in water
Ph-value: not applicable

10. Stability and Reactivity**Conditions to avoid**

Beware of heat, solar radiation and light impact to avoid early slow polymerization.

Substances to avoid

Radical former (product polymerises slowly at contact)

Hazardous decomposition products:

None, if used according to directions.

Further information:

After considerably exceedance of storage time and / or exceedance of storage temperature it is possible that the product starts polymerizing under low heat impact.

11. Toxicological information**Acute Toxicity**

At skin: irritation
At Eyes: irritation
At respiratory system: irritation

Kinetic of the toxic reaction:

According the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available .

Further Information:

The product is to be labelled. By appropriate exposure and conventionally use and to our experiences and informations the product causes no hazardous effects.

Further details:

The product has to handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions.

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

12. Ecological information**Fish toxicity:** not applicable**Water organism:** not applicable**Bacteria toxicity:** not applicable**Further detail to ecology:**

Do not allow product to reach ground water, body of waters or sewage system!

Bioaccumulation potential:

No data available

Effect of the determination of the PTB- and vPvB-Report:

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

13. Disposal considerations**Substance / Preparation**

To dispose of accordingly with notice of the local regulations of authority.

Do not empty into drains.

Disposal key according to AVV regulation

16 03 05 (organic disposal, that contains hazardous substances)

Package

Packages that are not contaminated can be recycled.

14. Transport information/rules**Land transport ADR/RID**

Classification

Class: - (no hazardous material in terms of transport rules)

UN-Number: -

Classification code: -

Description of the good: Lightcuring tray material

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable

Limited Quantities: no information

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

Maritime transport IMDG/GGVSea

Classification

IMDG-Code: -

UN-Number: -

EmS:

Marine Pollutant: No

Description of the good: Lightcuring tray material

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable

Air transport ICAO-TI and IATA-DGR

Classification

Class: -

UN-Number: -

Description of the good: Lightcuring tray material

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable

15. Regulatory Information

Labelling according EU guidelines

Code letter and hazard description of the product:



Xi; irritant

R36/37/38

Irritating to eyes, respiratory system and skin

GHS-Labelling:



Caution

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H315 Causes skin irritation

Hazard decisive components for the labelling

contains: --

Safety Assessments

Safety Assessments for substances in this preparation were not executed

Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006

Revision: 7

Revision Date: 26.03.2012 LK

National Rules

Water hazard class

Water Hazard Class 2 (Estimation on the basis of the ingredients)

6. Other information

Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.
Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.
REACH-Guideline (EC) No. 1907/2006

Manufacturer's suggested application restriction:

Only for commercial use – no public product

R-phrases on which is referred in chapter 2 and 3

36/37/38 irritants the eyes, respiratory systems and skin

Changes compared to the last version

Change of GHS-Labeling
Change of composition/information on ingredients
Change of Hazard Identification
Change of Regulatory Information

Department issuing MSDS:

Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9225 0)

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.