1. Identification

**Product identifier**
Insure / Insure Lite / Insure Color Modifier

**Recommended use of the chemical and restrictions on use**
Use of the substance/mixture
dental use

**Details of the supplier of the safety data sheet**

**Manufacturer**
Company name: Deltamed GmbH.
Street: Raiffeisenstr. 8a
Place: D-61169 Friedberg
Telephone: +49 6031 7283-0
Fax: +49 6031 7283-29
E-mail: info@deltamed.de
Internet: www.deltamed.de
Responsible Department: F&E
Fax: +49 6031 7283-29

**Supplier**
Company name: COSMEDENT, Inc.
Street: 401 North Michigan Avenue Ste. 2500
Place: USA-IL 60611 Chicago
Telephone: 1-800-621-6729
Fax: 312-644-9586
E-mail: mary@cosmedent.com
Internet: cosmedent.com

**Emergency phone number:** 312-644-9586

2. Hazard(s) identification

**Classification of the chemical**

29 CFR Part 1910.1200

**Hazard categories:**
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1B

**Hazard Statements:**
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

**Label elements**

29 CFR Part 1910.1200

**Signal word:** Warning

**Pictograms:**

---

**Hazard statements**
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Precautionary statements
Wear protective gloves/protective clothing/eye protection.
If on skin: Gently wash with plenty of soap and water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Hazard not otherwise classified
Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.

3. Composition/information on ingredients

Mixtures

Chemical characterization
Mixture of acrylic resins, fillers and initiators.

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1565-94-2</td>
<td>Bisphenol A Diglycidyl Methacrylate</td>
<td>* 10 - 30 %</td>
</tr>
<tr>
<td>72869-86-4</td>
<td>7,7,9-Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecan-1,16-diol dimethacrylate</td>
<td>* &lt; 25 %</td>
</tr>
<tr>
<td>2082-81-7</td>
<td>1,4 Butanediol dimethacrylate</td>
<td>* &lt; 25 %</td>
</tr>
</tbody>
</table>

Further Information
* The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General information
Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours. Take off all contaminated clothing immediately.

After inhalation
Provide fresh air. Medical treatment necessary.

After contact with skin
After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.

After contact with eyes
After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

After ingestion
Do NOT induce vomiting. Medical treatment necessary.

Most important symptoms and effects, both acute and delayed
No information available.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media
**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

- Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Environmental precautions**

- Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

- Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

**7. Handling and storage**

**Precautions for safe handling**

- Provide adequate ventilation.

**Advice on safe handling**

- Keep away from sources of ignition. - No smoking.

**Conditions for safe storage, including any incompatibilities**

- Protect from the action of light. Keep only in the original container at a temperature between 4-25 °C (40-75°F). Can polymerize with intense heat release.

**Advice on storage compatibility**

- Do not store together with: Oxidising agent, strong food

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure controls**

- Avoid contact with skin, eyes and clothes. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

- **Eye/face protection**
  - tightly fitting goggles

- **Hand protection**
  - Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a
suitable glove type has to be selected.

**Skin protection**
Wear suitable protective clothing.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>pasty</td>
</tr>
<tr>
<td>Color</td>
<td>various, depending on coloration</td>
</tr>
<tr>
<td>Odor</td>
<td>hardly noticeable</td>
</tr>
</tbody>
</table>

#### Test method

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH-Value</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

#### Flammability

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not applicable</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Auto-ignition temperature

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not applicable</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>not determined</td>
</tr>
<tr>
<td>Density</td>
<td>not determined</td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor density</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid content</td>
<td>not determined</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

#### Reactivity

No hazardous reaction when handled and stored according to provisions.

#### Chemical stability

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable</td>
</tr>
</tbody>
</table>

The product is stable under storage at normal ambient temperatures.

#### Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous reactions</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.
Conditions to avoid
Protect from the action of light. Keep only in the original container at a temperature between 4 -25 °C (40-75°F).

Incompatible materials
Oxidising agent, Reducing agent, Heavy metals, acids, Alkali (lye)

Hazardous decomposition products
No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>72869-86-4</td>
<td>oral</td>
<td>LD50 &gt;2000 mg/kg</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td>2082-81-7</td>
<td>oral</td>
<td>&gt;5000 mg/kg</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td>dermal</td>
<td>LD50 &gt; 3000 mg/kg</td>
<td>Rabbit</td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes skin irritation
Causes serious eye irritation

Sensitizing effects
May cause an allergic skin reaction (7,7,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecan-1,16-diol dimethacrylate), (1,4 Butanediol dimethacrylate)
Possible sensitization in case of persons suffering from hypersensitivity.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): None of the ingredients is listed.
Carcinogenicity (IARC): None of the ingredients is listed.
Carcinogenicity (OSHA): None of the ingredients is listed.

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

Further information
Product has not been tested. The statement is derived from the properties of the components.

12. Ecological information

Persistence and degradability
The product has not been tested.

Bioaccumulative potential
The product has not been tested.
Mobility in soil
The product has not been tested.

Other adverse effects
No information available.

Further information
Do not allow uncontrolled discharge of product into the environment. Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal
Small quantities can be polymerized by light and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging
This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101
Not a hazardous material with respect to these transport regulations.

Proper shipping name:

Marine transport (IMDG)
No dangerous good in sense of these transport regulations.

Other applicable information

Air transport (ICAO)
No dangerous good in sense of these transport regulations.

Other applicable information

Special precautions for user
No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

15. Regulatory information

U.S. Regulations

National Inventory TSCA
All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

National regulatory information

SARA Section 311/312 Hazards:
Bisphenol A Diglycidyl Methacrylate (1565-94-2): Immediate (acute) health hazard
7,7,9-Trimethyl-4,13-dioxo-3,14-dioxaa-5,12-diaza-hexadecan-1,16-diol dimethacrylate (72869-86-4):
Immediate (acute) health hazard
1,4 Butanediol dimethacrylate (2082-81-7): Immediate (acute) health hazard

State Regulations
Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)
This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 1
Flammability: 0
Physical Hazard: 0

NFPA Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 0
Unique Hazard: 0

Changes

Revision date: 08.09.2016
Revision No: 2,40
reason of revision: classification according CLP / GHS.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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