

Material Safety Data Sheet

Ref: LXA2, LXA3, LXA3.5

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1. Product and company identification

Product name /names: tgtempolux

Manufacturer : **Technical & General Ltd**
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2. Composition / Information on ingredients

common chemical name / Generic name: Composite material for use in dentistry.
Mixture of methacrylic resins and silane treated glass with auxiliary matters and pigments.

3. Hazards identification

None if handled according to directions.
Irritating to eyes, respiratory system and skin.

4. First aid measurers

Eye contact: Rinse with plenty of water, consult a physician.
Skin contact: Wash immediately with soap and water.
Ingestion: Immediately seek medical advice.
Inhalation : In case of prolonged exposure take patient to open air.

5. Fire - fighting measurers

Not Flammable
Suitable extinguishing media: Water mist, dry powder, carbon dioxide, alcohol-resistant foam.
Extinguishing media to avoid: Do not use direct water jet stream, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions: Avoid unprotected exposure to the unpolymerised product.
Wear suitable protective clothing. Provide for sufficient ventilation.
Environmental precautions: Keep away from sewage treatment plants, in-shore waters and earth.
Observe local byelaws.
Cleaning up methods: Absorb with liquid binding material (mica, diatomaceous earth) and collect it in a suitable container, labelled according to regulations

7. Handling and Storage

Handling: Keep container tightly closed.
Wear suitable gloves. Avoid contact with skin and eyes.
Storage: Keep in dark, cool place. Keep container tightly closed.
Precautions against fire and explosion: Take precautionary measures against static discharges.
Remove all containers not yet affected by fire. Cool endangered containers with water mist.

8. Exposure Controls and Personal Protection

Respiratory protection:	In exceptional situations like insufficient ventilation, . liberation of vapours due to overheating, respiratory protection should be worn
Hand and skin protection:	Rubber gloves.
Eye protection:	Goggles.
Hygiene measures:	When using do not eat or drink.

9. Physical and Chemical Properties

Appearance :	light bodied paste
Odour:	almost odourless
PH-Value:	n.a.
Decomposition temperature:	not tested
Flashpoint:	> 100 oC / 212 oF
Explosion properties:	n.a.
Vapour pressure	< 1 hPa at 20 oC / 68 oF
Solubility in water:	virtually insoluble
Density:	approx. 1.5 g/cm ³ at 20 oC / 68 oF

10. Stability & Reactivity

Stability :	Stable. Avoid heat, sparks & flames.
Materials to avoid :	Reacts violently with strong oxidising agents, alkaline or acidic materials.
Hazardous reactions:	None, if handled and stored according to directions. In case of fire, acrid acrylic fumes may occur.

11. Toxicological Information

Acute oral toxicity:	For the product itself no toxicological data are available. In products with a comparable composition, a LD50 (orally, species rat) of more than 5 000 mg/kg has been found.
Skin:	The irritative capacity of products with a comparable composition has been tested: Rabbit, 4 hours, different methods, occlusive, diluted and undiluted.
Eyes:	Irritating and may cause serious damage.
Fertility:	With analogous products, no mutagenic or reproduction toxic effects could be derived from animal in-vitro and in-vivotests.

12. Ecological Information

Do not discharge into drains or the environment.	
Further ecotoxicological effects:	Avoid escape into water, drainage, sewer, or the ground.

13 Disposal Considerations

Disposal Methods :	Recommendation: Dispose of according to regulations by incineration i n a special waste incinerator. Observe the local byelaws.
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14. Transport Information

Road / Rail :	No special precautions
Sea :	No special precautions
Air :	No special precautions

15. Regulatory Information

S-Phrases:

Avoid contact with skin and eyes.
In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
After contact with skin wash immediately with plenty of water and soap.
Wear suitable gloves and eye/face protection

Note: This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use.
In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.