



SAFETY DATA SHEET

Date Prepared: 7.1.2015
MSDS No.: Zirlux Temp Multi PMMA
Revision No.: 0

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Zirlux Temp Multi PMMA (All shades & Colors)

USE OR APPLICATION: Used to produce crown/bridges

Company Information:

Company Name: DE Healthcare Ltd.
Street: Unit 9, Kingsthorpe Business Centre,
City/ Zip: Studland Road, Kingsthorpe,
State/ Province: Northampton NN2 6NE U.K.
E-Mail: info@dehpbrand.com
Telephone: Tel. +44 1634 266 056
Emergency
Telephone: Chemtrec International: 001 703-527-3887

2. HAZARDS IDENTIFICATION

Hazard description: not applicable

Information pertaining to particular dangers for man and environment: not applicable

Classification system:

NFPA ratings for USA (Scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

HMS-Ratings (Scale 0 – 4)

Health = 0

Fire = 0

Reactivity = 0

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

CAS No. / Description:

[9011-14-7] Poly (methyl-methacrylate)
[1317-80-2] Biocompatible Pigments (Titanium dioxide)
[1309-37-1] Biocompatible Pigments (Iron oxide)
[20548-54-3] Fluorecent Calcium Sulphide
[1314-96-1] Fluorecent Strontium Sulphide
[1309-48-4] Fluorecent Magnesium Oxide
[97-90-5] EDMA – Ethylene Glycol Dimethylacrylate.

4. FIRST AID MEASURES

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General information: No special measures required.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: Induce vomiting and seek advice of physician.

5. FIRE FIGHTING MEASURE

Suitable extinguishing agents: void
Protective equipment: No special measures required

6. ACCIDENTAL RELEASE MEASURES

Person related safety precautions: Not required.
Measures for environmental protection: No special measures required.
Measures for cleaning / collecting: pick up mechanically
Additional information: No dangerous substances are released.

7. HANDLING AND STORAGE

Handling

Information for safe handling: No special measures required.
Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep teeth away from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists that were valid during the creation of this document were used as basis.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not required.

Protection of hands: Not required.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material(s) are suitable:

Natural rubber, NR

Eye protection: Recommended during treatment with abrasive instruments.

Body protection: Light weight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Form: Solid **Color:** Different according to coloring **Odor:** Odorless

Change in condition

Melting point / Melting range: undetermined **Boiling point / Boiling range:** undetermined

Flash point: Not applicable

Danger of explosion: Product does not present in explosion hazard

Density: 1,18 ± 0,02 g/cm³

Solubility in / Miscibility with

Water: Insoluble

Organic solvents: 0.0 %

Solids content: 100.0 %

10. STABILITY AND REACTIVITY

Dangerous reactions: no dangerous reactions known.

Dangerous products of decomposition: none.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

on the skin : No irritant effect.

on the eye : No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12. ECOLOGICAL INFORMATION

General notes: Generally not hazardous for water.

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. TRANSPORT INFORMATION

DOT regulations:

Hazard class: -

Land transport ADR/RID (cross-border):

ADR/RID class: -

Maritime transport IMDG:

IMDG class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class: -

15. REGULATORY INFORMATION

SARA Section 355 (extremely hazardous substances)

Substance is not listed.

SARA Section 313 (specific toxic chemical listings)

Substance is not listed.

TSCA (Toxic Substances Control Act)

Substance is not listed.

Prop 65 – Chemicals known to cause cancer

Substance is not listed.

Prop 65 – Chemicals known to cause reproductive toxicity

Substance is not listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

Substance is not listed.

IARC (International Agency for Research on Cancer)

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

Threshold Limit Value established by ACGIH)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

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The substance is not subject to classification according to EU lists and other sources of literature known to us. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

16. OTHER INFORMATION

PREPARED BY: Corporate Brand Development

REVISION SUMMARY: This SDS replaces all prior MSDS.

HMIS RATING:

RATINGS:

0 = Minimal

2 = Slight

3 = Serious

4 = Severe

NFPA CODES



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, DE Healthcare Ltd. does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.