

## Material Safety Data Sheet

CEE 91/155 and CEE/93/112 Directives

**ORTHO PLUS**

28, rue Ampère – BP 28 - 91430 Igny France – Tél. /Fax: (33) 1 69 41 90 28/ (33) 1 60 19 32 22 [orthoplus@orthoplus.fr](mailto:orthoplus@orthoplus.fr)

### 1. Identification of the substance/device :

1.1 Device name : **RELY-A BOND**

### 2. Composition, information on ingredients:

Composition	CAS N°	wt%
<b>2.1</b> Tetrahydrofurfuryl methacrylate ✓ Symbol / Risk Classification Xi; R36/38-43 ✓ OSHA PEL (mg/m3) : N/D ✓ ACGIH (mg/m3) : N/D ✓ LD 50 (mg/kg, rat/oral) : N/D	2455-24-5	30-40
<b>2.2</b> Bisphenol A Diglycidylmethacrylate ✓ Symbol / Risk Classification Xi; R36/38-43 ✓ OSHA PEL (mg/m3) : N/D ✓ ACGIH (mg/m3) : N/D ✓ LD 50 (mg/kg, rat/oral) : N/D	1565-94-2	10-30
<b>2.3</b> Hydro Copolymer ✓ OSHA PEL (mg/m3) : N/D ✓ ACGIH (mg/m3) : N/D ✓ LD 50 (mg/kg, rat/oral) : N/D	N/A	1-5

### 3. Hazards identification:

Irritates the eyes, and may cause allergic reaction on skin.

### 4. First aid measures:

- ✓ Inhalation : provide fresh air and rest.
- ✓ Skin contact : wash with soap and water.
- ✓ Eye contact : flush with running water for at least 15 minutes while keeping eye lids open. Seek medical attention.
- ✓ Ingestion : drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested.

### 5. Fire fighting measures:

Fire-Fighting media : dry chemical powder, foam or carbon dioxide.

Fire and explosion risks : upon combustion, irritating gases may form.

### 6. Accidental release measures:

- **Personal Precaution:** prevent skin/eye contact and provide ventilation.
- **Environmental Precautions:** avoid ground water contamination.
- **Methods for cleaning up :** wipe with damp paper towels, discard properly.

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### 7. Handling and storage:

Avoid high light intensity > 10000 lux, this product is used exclusively for dental purposes by trained personnel.

### 8. Exposure controls/personal protection:

**Eye protection :** use protective eyewear

**Hand protection :** use protective gloves

**Respiratory protection :** avoid prolonged breathing of vapors of uncured material

**Skin protection :** use any necessary hygiene measures

### 9. Physical and chemical properties:

- ✓ Appearance : liquid
- ✓ Color : pale yellow
- ✓ Odor : methacrylate
- ✓ Solubility (H<sub>2</sub>O, fat) : insoluble
- ✓ Boiling point / range : N/A
- ✓ Melting point / range : N/A
- ✓ Flash point : N/A
- ✓ Conductivity : N/A
- ✓ Explosive properties : N/A
- ✓ Vapor pressure @ 20C/68F : N/A
- ✓ Miscibility : N/A
- ✓ Vapor density : N/A
- ✓ pH : N/A
- ✓ Evaporation rate : N/A
- ✓ Viscosity : N/A
- ✓ Partition coefficient : N/A
- ✓ Autoflammability : N/A
- ✓ Flammability : N/A
- ✓ Relative density : N/A

### 10. Stability and reactivity:

Avoid high temperatures.

### 11. Toxicological information:

- Eye contact : irritates the eyes
- Skin contact : may irritate the skin
- Sensitization : may cause allergic reaction on contact with the skin
- Other : N/A

### 12. Ecological information:

N/A

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### 13. Disposal considerations:

Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

### 14. Transport information:

No special precautions.

### 15. Regulatory information:

Classification : Xi irritant, R36 irritating to eyes, R38 irritating to skin.  
Safety : refer to any applicable National laws.

### 16. Other information:

This information is believed to be correct as of the date of this MSDS (21<sup>ST</sup> of December 2006). 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.

#### - Recommended use

While the information and recommendations set forth on this data sheet are believed to be accurate as received from our suppliers, ORTHOPLUS makes no warranty with respect thereto and disclaims all liability from reliance thereon.