

I – Identification of the Substance and of the Company

SUPPLIER: RMO, Inc.
650 W. Colfax Ave.
Denver, CO 80204
303-592-8200

Trade Name and Synonyms – Mono-Lok²
Description: Light Activated Adhesive;
Primer Activated Adhesive, Primer

Product Grade / Name:

ORTHODONTIC ADHESIVE

II – Composition / Information on Ingredients

Primer Activated Adhesive: Aromatic and Aliphatic Dimethacrylate Monomers, Benzoyl Peroxide, 2.6 Di-Tert Butyl-P-Cresol (BHT), Silicon Dioxide

Primer: Aromatic and Aliphatic Dimethacrylate Monomers, Methacrylate Monomers, Tertiary Amine

Light Cure Adhesive: Aromatic and Aliphatic Dimethacrylate Monomers, Methacrylate Monomers, Camphorquinone, Tertiary Amine

III – Hazards Identification

Physical/Chemical Hazards: Incompatibility with high temperatures and strong oxidizing agents.

Human Health Hazards: Repeated contact with skin may cause irritation and reddening.

Environmental Hazards; Effects and Symptoms: Not determined.

Inhalation: Not likely under normal use. Mild irritant.

Skin Contact: Mild to severe irritant.

Eye Contact: Mild irritant.

IV – First Aid Measures

Inhalation: Remove to fresh air if there are any breathing difficulties.

Eyes: Flush with copious amounts of water. Consult with Physician.

Skin: Wash with soap and water.

Ingestion: Seek medical attention, no adverse effects expected.

V – Fire Fighting Measures

Flash Point: Not determined.

Flammable Limit: Not determined.

Extinguishing Media: CO₂, Dry Chemical Foam

Special Fire Fighting Procedures: Wear pressure demand, self-contained breathing apparatus, MSHA/NIOSH – Approved or equivalent, and full protective gear. Use water spray to cool containers.

Unusual Fire and Explosion hazards: Heat can cause polymerization with rapid release of energy which may rupture container. Oxides of carbon released during thermal decomposition.

VI – Accidental Release Measures

Gloves and eye protection are suggested. Absorb small spills with a paper towel. Dike large spills with vermiculite or similar absorbent. Dispose of in an approved container.

VII – Handling and Storage

Store away from food and beverages. Store at or below room temperature away from visible light sources. Avoid contact of liquid or paste with skin, tissue, gums, and eyes. Keep containers tightly closed when not in use.

VIII – Exposure Controls / Personal Protection

Respiratory: None required under normal use.
Protective Gloves: Recommended
Eye Protection: Safety glasses or splash goggles
Other Protective Clothing or Equipment: Lab coat

IX – Physical and Chemical Properties

Boiling Point: Not determined
Vapor Pressure (mmHg): Not determined
Vapor Density (Air = 1): Not determined
Solubility in Water: Negligible
Appearance and Odor: Creamy, off-white resin paste with an acrylic odor.
Specific Gravity (H₂O = 1): >1
Melting Point: Not determined
Autoignition Temperature: Not determined

X – Stability and Reactivity

Stability:

Unstable () Stable (X)

Conditions to Avoid: High Temperatures and visible light.

Incompatibility:

Material to Avoid: Oxidizing Agents, reducers, free-radical initiators, heavy metal ions and polymerization catalysts.

Hazardous Decomposition Products:

None under normal conditions. Oxides of Carbon when Burned.

Hazardous Polymerization:

May Occur (X) Will Not Occur ()

Conditions to Avoid: High Temperatures, Visible Light Sources, Open Flames.

XI – Toxicological Information

Skin Irritation: Irritation to skin can occur.

Eye Irritation: Irritation to eyes can occur.

XII – Ecological Information

May cause adverse environmental impact if material reaches waterways.

XIII – Disposal Considerations

Dispose of in accordance with Federal, State, and Local Regulations.

XIV – Transportation Information

Non-Regulated.

XV – Regulatory Information

The product is a Class II medical device, regulated by Food and Drug Administration, United States, and is shipped as a non-regulated product by Department of Transportation Regulations.

R-Phrase:

R21/22: Harmful in contact with skin and if swallowed.

S-Phrase:

S24/25: Avoid contact with skin and eyes.

S20/21: Do not eat, drink, or smoke.

XVI – Other Information

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