



SAFETY DATA SHEET
Regulation (EC) No 1907/2006 (REACH)

(Revision: 2/9/2016)

Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Identifier

Product Type: Synthetic Resins

Trade Name:

VeriGuide

VeriTray

VeriModel

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Synthetic Resin for use in the 3D printers in the dental industry.

Uses Advised Against: For professional use only.

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer:

Whip Mix Corporation

361 Farmington Avenue

Louisville, Kentucky, USA 40209

Emergency Telephone Number: (502) 634-1451

Fax Number: (502) 634-4512

EU Importer:

Whip Mix Europe GmbH

Wißstrasse 26 – 28

D – 44137 Dortmund

Germany

+49 (0) 231 / 567 70 8-0

1.4 Emergency Telephone Number

Transportation Emergencies:

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 CCN216797

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Other Product Information:

www.whipmix.com

Section 2 Hazard Identification

2.1 Classification of the Mixture:

CLP/GHS Classification (1272/2008):

Health Hazards	Physical Hazards	Environmental Hazards
Skin Irritation Category 2 H315 Skin Sensitization Category 1 H317 Eye Irritation Category 2 H319 Specific Target Organ Toxicity Single Exposure Category 3 H335	Not Hazardous	Hazardous to the Aquatic Environment Category 3 H412

2.2 Label Elements

Warning!



H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Phrases:

P261 Avoid breathing mist, vapors or spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves and eye protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical attention
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None

Section 3 Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No. / EC Number</u>	<u>%</u>	<u>CLP/GHS Classification (1272/2008)</u>
<u>Resin</u>			
Bisphenol A-ethoxylate dimethacrylate	41637-38-1 / 609-946-4	Proprietary	Aquatic Chronic Category 3 H412
Phenyl-bis(2,4,6,-trimethylbenzoyl)phos phinoxide	162881-26-7 / 423-340-5	<1	Skin Sensitization Category 1A H317 Aquatic Chronic Category 4 H413
<u>Base</u>			
Curing Resin	Proprietary	Proprietary	Skin Irritation Category 2 H315 Skin Sensitization Category 1 H317 Eye Irritation Category 2 H319 Specific Target Organ Toxicity Single Exposure Category 3 H335

See Section 16 for full text of GHS.

Section 4 First-Aid Measures.

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.
Eyes: Flush eyes with large quantities of water for several minutes, holding the eyelids apart. If irritation persists consult a physician.
Skin: Remove contaminated clothing. Wash skin with soap and water. If irritation or rash develop, get medical attention. Launder clothing before reuse.
Ingestion: If large amounts are swallowed, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: May cause eye and skin irritation. May cause

allergic skin reaction. Inhalation of may cause nose, throat and respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not required.

Section 5 Fire-Fighting Measures.

5.1 Extinguishing Media: Use dry chemical or sand. Do not use a steady stream of water.

5.2 Special Hazards Arising from the Substance or Mixture: When exposed to heat or light, polymerization will occur.

5.3 Advice for Fire-Fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

Section 6 Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Wear protective clothing and equipment as described in Section 8. Wash thoroughly after handling.

6.2 Environmental Precautions: Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning Up: Contain and collect with an inert absorbent. Place into a container for disposal. For small spill, wipe up with a paper towel.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7 Handling and Storage.

7.1 Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing mists or spray. Use with adequate ventilation.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated location. Protect from heat and direct sunlight.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Synthetic Resin for use in the 3D printers.

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Bisphenol A-ethoxylate dimethacrylate	None Established
Phenyl-bis(2,4,6,-trimethylbenzoyl)phosphinoxide	None Established
Curing Resin	None Established

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures.

Personal Protective Measurers

Respiratory protection: None required under normal conditions of use. If exposures are excessive irritation is experienced an approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Skin protection: Wear impervious gloves to prevent skin contact.

Eye protection: Wear safety goggles if contact is possible.

Other: Protective clothing as required to avoid skin contact. An eye wash should be available in the work area.

Section 9 Physical and Chemical Properties.

9.1 Information on basic Physical and Chemical Properties

Appearance: Colored liquid

Odor: Characteristic odor

Odor threshold: Not applicable
Melting point/freezing point: Not available
Flash point: >302°F (>150°C)
Flammability (solid, gas): Not applicable
Flammable limits: LEL: Not applicable
Vapor pressure: Not applicable
Relative density: 1.1 g/cm³
Partition coefficient: n-octanol/water: Not applicable
Decomposition temperature: Not applicable
Explosive Properties: Not applicable

pH: Not applicable
Boiling point: Not applicable
Evaporation rate: Not applicable
UEL: Not applicable
Vapor density (air = 1): Not applicable
Solubility In Water: Insoluble
Auto-ignition temperature: Not available
Viscosity: Not applicable
Oxidizing Properties: Not applicable

9.2 Other Information: None available

Section 10 Stability and Reactivity.

10.1 Reactivity: None known if used in accordance with package instructions.
10.2 Chemical stability: Stable.
10.3 Possibility of hazardous reactions: Product will polymerize in contact with heat or light.
10.4 Conditions to avoid: Avoid unintended contact with light and heat.
10.5 Incompatible materials: Avoid peroxides and free radical compounds.
10.6 Hazardous decomposition products: None known.

Section 11 Toxicological Information.

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: May cause irritation with redness, tearing and swelling.
Skin: May cause skin irritation with redness and itching. May cause allergic skin reaction.
Ingestion: Large amounts may cause gastrointestinal irritation and nausea.
Inhalation: Inhalation of mists may cause irritation of the eyes, nose and upper respiratory tract. Symptoms include coughing, sneezing and difficulty in breathing.
Chronic Health Effects: None known.
Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP or the EU CLP.

Acute Toxicity Data:

Bisphenol A-Ethoxylate Dimethacrylate: Oral rat LD₅₀ >2,000 mg/kg (no deaths occurred), Dermal rat LD₅₀ >2000 mg/kg.
Phenyl-bis(2,4,6,-trimethylbenzoyl)phosphinoxide: Oral rat LD₅₀ >2000 mg/kg, Dermal rat LD₅₀ >2000 mg/kg.
Curing Resin: No toxicity data available.

Section 12. Ecological Data.

12.1 Ecotoxicity:

Bisphenol A-Ethoxylate Dimethacrylate: 96 hr LL₅₀ Oncorhynchus mykiss >100 mg/L, 48 hr EL₅₀ daphnia magna >100 mg/L, 72 hr EL₅₀ Pseudokirchnerella subcapitata >100 mg/L
Phenyl-bis(2,4,6,-trimethylbenzoyl)phosphinoxide: 96 hr LC₅₀ Danio rerio >90 ug/L (no mortalities, maximum concentration), 48 hr EC₅₀ daphnia magna >1175 ug/L (maximum concentration), 72 hr EC₅₀ Desmodesmus subspicatus >260 ug/L

12.2 Persistence and degradability: Bisphenol A-ethoxylate dimethacrylate is inherently biodegradable. Phenyl-bis(2,4,6,-trimethylbenzoyl)phosphinoxide is not readily biodegradable.

12.3 Bioaccumulative potential: This product does not bioaccumulate.

12.4 Mobility in soil: Insoluble in water.
12.5 Results of PBT and vPvB assessment: Not required.
12.6 Other adverse effects: Not required.

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods: Dispose in accordance with all national and local regulations.

Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

14.6 Special precautions for User: Not applicable

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Section 15 Regulatory Information.

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

US Regulations

SARA Section 311/312 (40 CFR 370) Hazard Categories: Acute Health Hazard

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

German Water Hazard Class (VwVwS): 1

16. Other Information.

HMIS Rating: Health 2 Flammability 0 Reactivity 0
Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

CLP/GHS Classification and H Phrases for Reference (See Section 3)

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

Prepared By: <i>Denise A. Deeds</i>	Translated By:
Date: November 6, 2015	Date: