The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

Bioclear Matrix Systems
Material Safety Data Sheet – Magic Mix

Section 1: Identification
Product Name: Bioclear Magic Mix Pre-Polish
Chemical Family: Oxyalkylene Polymer
Formula: Proprietary
Manufacturer's Name: VH Technologies ltd.
Manufacturer's Address: 2100 196th St SW #116 - Lynnwood, WA 98036
Emergency Telephone: 425. 361. 2990
Recommended Use: Pre Polishing of composite restorations
Section 2: Hazard(s) Identification
Principal Hazardous Components: None
Section 3: Composition/Information on Ingredients
Substances: Oxyalkylene Polymer CAS No: 9082-00-2
Pumice CAS No: 1332-09-8
Hazardous Components: This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200
The specific chemical identity and exact percentage of the composition has been withheld due to proprietary information.
Section 4: First-Aid Measures
Eye Contact: In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.
Skin Contact: In case of skin contact, wash affected areas with soap and water. No evidence of harmful effects from available information.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if irritation develops. Short-term harmful health effects are not expected from vapor generated at ambient temperature.
Ingestion: If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
Section 5: Fire-Fighting Measures
Suitable Extinguishing Media: Carbon Dioxide (CO_2), dry chemical, foam, water spray for large fires.

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Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially irritating fumes. Irritating fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimise risk of rupture.
Section 6: Accidental Release Measures
Spill and Leak Procedures: Wash spill or leak area with soap and water.
Section 7: Handling and Storage
Maximum Storage Temperature: 49°C or 120°F
Section 8: Exposure Controls/Personal Protection
Special Storage and Handling Precautions:
Respiratory Protection: Dust respirator, if dusty conditions exist.
Ventilation: Local exhaust or laboratory hood.
Eye Protection: Safety Glasses
Hand Protection: PVC-coated gloves
Other Protective Clothing or Equipment: Eye wash and safety shower.

Section 9: Physical and Chemical Properties
Appearance: Dark green mixture with abrasive qualities.
Upper/Lower Flammability or Explosive limits: Not Established
Odor: Mild
Vapor Pressure: < 0.01 hPa at 20 °C (68 °F) ASTM E1719
Odor Threshold: Not Established
Vapor Density: 10 Calculated
pH: 4.5 – 7.0 ASTM E70
Melting Point/Freezing Point: Not applicable / -15 - -8 °C
Solubility: In water – 50% by weight @ 20°C
Initial boiling point and boiling range: > 200 °C
Flash Point: Closed cup 218 °C
Evaporation Rate: No data available
Flammable Limits in Air (% by volume): N/A
Upper Limit: Not Established
Lower Limit: Not Established
Solubility: Completely soluble in water
Auto-Ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: Dynamic 750-980 mPa.s @ 25°C
Section 10: Stability and Reactivity

Reactivity: No data available
Stability: Stable
Avoid oxidizing agents, exposure to elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems. Avoid contact with strong acids, strong bases and strong oxidizers.
Hazardous Decomposition Products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Carbon dioxide. Carboxylic acids. Polymer fragments.

Section 11: Toxicological Information
Acute oral toxicity: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
LD50, Rat, > 10,000 mg/kg
Acute dermal toxicity: Prolonged skin contact is unlikely to result in absorption of harmful amounts. Prolonged/repeated exposure to damaged skin (as in burn patients) may result in absorption of toxic amounts.
LD50, Rabbit, > 20,000 mg/kg
Acute inhalation toxicity: At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous. For respiratory irritation and narcotic effects: No relevant data found.
Typical for this family of materials.
LC50, Rat, 6 Hour, Aerosol, > 2.5 mg/l No deaths occurred at this concentration.
Skin corrosion/irritation: Prolonged contact may cause slight skin irritation with local redness.
Serious eye damage/eye irritation: May cause slight temporary eye irritation.
Corneal injury is unlikely.
Sensitization: Did not cause allergic skin reactions when tested in humans.
For respiratory sensitization: No relevant data found.
Specific Target Organ Systemic Toxicity (Single Exposure): Evaluation of available data suggests that this material is not an STOT-SE toxicant.
Carcinogenicity: Similar material(s) did not cause cancer in laboratory animals.
Teratogenicity: For similar material(s): Did not cause birth defects in laboratory animals.
Reproductive toxicity: For similar material(s): In animal studies, did not interfere with reproduction.
Mutagenicity: In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.
Aspiration Hazard: Based on physical properties, not likely to be an aspiration hazard.

Section 12: Ecological Information
No information available

Section 13: Disposal Considerations
Waste Disposal should be in accordance with existing federal, state and local environmental control laws
Section 14: Transport Information
Non Regulated
Section 15: Regulatory Information* (non-mandatory)

Section 16: Other Information

End of MSDS