

020562

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

**OPOTOW® TRIAL CEMENT**

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's name <b>Waterpik Technologies Inc.</b>	Emergency Telephone Number <b>800/424-9300 (24 Hr: CHEMTREC)</b>
Address (Number, Street, City, State and ZIP Code) <b>1730 East Prospect Road Fort Collins, CO 80553-0001</b>	Telephone Number for Information <b>800/525-2020 (8 am- 4pm MST)</b>
	Date Effective <b>4/12/00 (Revises: 7/7/99)</b>
	Product Code <b>052120-000, 052121-000, 052122-000</b>

**Section II—Hazardous Ingredients/Identity Information**

Giftinformationszentrale Göttingen Tel.: +49-551-19240

Hazardous Components (Specific Chemical Identity, Common Name(s))

Notes: <sup>1</sup> Given as TWA

OSHA PEL<sup>1</sup>    ACGIH TLV<sup>1</sup>    NIOSH REL<sup>1</sup>    % (Volume)

Eugenol (CAS No.: 97-53-0)				0-37%
Calcium Carbonate (CAS No.: 471-34-1)				0-30%
Zinc Oxide (CAS No.: 1314-13-2) <i>Exposure limits as total dust</i>	15 ppm	10 ppm	5 ppm	1-30%
Di-sec-Octyl Phthalate (CAS No.: 117-81-7)	5 ppm	5 ppm	5 ppm	0-30%
Silica Amorphous, fumed (CAS No.: 112945-52-5)				0-20%
Stannous Octoate (CAS No.: 301-10-0)				0-16%
Ethyl Silicate (CAS No.: 11099-06-2)	850 ppm	85 ppm	85 ppm	0-5%
Zinc Undecylenate (CAS No.: 557-08-4)				0-2%

**Section III—Physical/Chemical Characteristics**

Boiling Point (°F)	Not Determined	Specific Gravity (H <sub>2</sub> O = 1)	1-3
Vapor Pressure (mm Hg)	Not Determined	Melting Point	Not Determined
Vapor Density (AIR = 1)	Not Determined	Evaporation Rate (Butyl Acetate = 1)	Not Determined

Solubility in Water **Not soluble**

Appearance and Odor **A two part, thick orange gel with a clove-like odor.**

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>365 °F (open cup)</b>	Flammable Limits	LEL Not Determined	UEL Not Determined
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Extinguishing Media **Water, foam, halon, carbon dioxide, dry chemical**

Special Fire Fighting Procedures **Remove containers from heat/ignition sources. Keep containers cool. Use full bunker gear with SCBA. For large quantities use chemical resistant equipment. Prevent releases to environment.**

Unusual Fire and Explosion Hazards **This product is not combustible. Combustion by-products may produce irritating vapors.**

**Part B of the cement can generate formaldehyde at temperatures above 302 °F.**

**NFPA Hazard Codes: Health-1, Flammability-0, Reactivity-0, Special-None**

(Reproduce locally)

OSHA 174 Sept. 1985

This document has been made to satisfy requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200). The information set forth herein has been prepared with reasonable care and is based on data currently available that Teledyne Water Pik believes to be reliable. However, we make no representation or warranties, expressed or implied of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein or the product to which the information refers. In no event will Teledyne Water Pik be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein and we assume no liability resulting from its use or regarding the suitability of this information for the user's intended purposes or for the consequences of its use. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Water Pik be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Teledyne Water Pik has been advised of the possibility of such damages. The user assumes the risk in the use of this material.

**Section V—Reactivity Data**

Stability	Unstable	NA	Conditions to Avoid	Sources of heat/ignition, extreme temperatures, incompatibles.
	Stable	YES		
Incompatibility (Materials to Avoid) Strong oxidizers (e.g. chlorine, oxygen, bromine, pentafluoride, nitrogen trifluoride).				
Hazardous Decomposition or Byproducts Combustion by-products (e.g. carbon monoxide, carbon dioxide, zinc oxides, formaldehyde).				
Hazardous Polymerization	May Occur	NA	Conditions to Avoid	NA
	Will Not Occur	YES		

**Section VI—Health Hazard Data**

Route(s) of Entry	Inhalation?	YES	Skin?	YES	Ingestion?	YES
Health Hazards (Acute and Chronic) Mild to moderate irritation to skin, eyes, lungs and mucous membranes. Overexposure can cause eye stinging, dermatitis, abdominal pain, nausea, diarrhea, coughing, sneezing, nasal congestion, muscular pain, and liver damage.						
Carcinogenicity	NTP?	See Below	IARC Monographs?	See Below	OSHA Regulated?	See Below
Zinc Oxide (EPA-D) listed. (not classifiable as to carcinogenicity to humans)						

Signs and Symptoms of Exposure	Eyes; redness & pain. Skin; mild-moderate irritation. Ingestion; mild pain, nausea, diarrhea. Inhalation; mild-moderate irritation to nose, mouth & throat.					
Medical Conditions						
Generally Aggravated by Exposure	Pre-existing respiratory conditions, eye or skin disorders may be aggravated.					
Emergency and First Aid Procedures	Remove contaminated clothing. Flush skin or eyes with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If ingested, do not induce vomiting. Get medical attention.					

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled	Clear the affected area and protect people. For incidental releases and if safe to do so; use personal protective equipment (see Section VIII), remove containers from heat sources, attempt to stop the flow of spilled material, absorb spilled material with inert material (e.g. dry clay, earth, polypads), place residue in chemical resistant containers, decontaminate with soapy water. For large releases initiate an emergency response using HAZWOPER trained personnel.					
Waste Disposal Method	Dispose of waste according to U.S. Federal, State and local regulations. U. S EPA WASTE No: Not Applicable					

Precautions to Be Taken in Handling and Storing	Employees who handle this product need to be trained to safely use it. Ensure containers are free from damage and properly labeled. Post warning signs, use non-sparking tools, bond/ground containers, maintain emergency equipment nearby, keep containers in a cool, dry location, away from direct sunlight, incompatible chemicals, sources of heat/ignition, or where freezing may occur. Do not allow this product to contaminate the environment; may be harmful or fatal to plant and animal life.					
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Transport	U.S. DOT Proper Shipping Name Not Applicable				
Information	Hazard Class Not Applicable		UN Identification No. Not Applicable		
	Packing Group	NAERG No.	Hazard Label		
	Not Applicable	Not Applicable	Not Applicable		

**Section VIII—Control Measures**

Respiratory Protection (Specify Type) Determine hazards and use NIOSH certified respirators as required by OSHA.						
Ventilation	Local Exhaust	YES -Vent fumes, Control exhaust			Special	NA
	Mechanical (General)	YES-Vent fumes, Control exhaust			Other	Observe air quality control requirements.
Protective Gloves	YES- Nitrile, Rubber, Neoprene,			Eye Protection	YES-Chemical Safety Glasses/Goggles	
Other Protective Clothing or Equipment	YES-Chemical protective clothing.					
Work/Hygienic Practices As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash before/after handling this product. Use in a well ventilated area. Observe all safety and environmental regulations.						