

**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)

KEY-TO[®] ALGINATE IMPRESSION MATERIAL

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 Water Pik, Inc.	Emergency Telephone Number 800/424-9300 (24 Hr: CHEMTREC)
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information 800/525-2020 (8 am- 4pm MST)
1730 East Prospect Road	Date Effective 7/26/07 (Revises: 4/26/02)
Fort Collins, CO 80553-0001	Product Code 013110-000, 013111-000, 013112-000, 013113-000, 013125-000, 013126-000

Section II—Hazardous Ingredients/Identity Information

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

Notes: ¹ Given as TWA. ² In mg/m³. ³ In mppcf. ⁴ %SiO₂. ⁵ Respirable. Inhalable. ⁷ Particulate <1% crystalline silica. ⁸ Total dust. ⁹ In ppm. ¹⁰ Fume. Carcinogen. ¹² % Fluoride. ¹³ Calculated by formula and sampling where = (10 mg/m³) / (%SiO₂ sampled + 2).

	⁶ OSHA PEL	ACGIH TLV	NIOSH REL	% (Volume)
Diatomaceous Earth (CAS No.: 61790-53-2)	20 ^{1,3} /80 ^{1,2,4}	10 ^{1,2,6,7} /3 ^{1,2,5,7}	6 ^{1,2}	< 63 %
Sodium Alginate (CAS No.: 9005-38-3)	15 ^{1,2,8} /5 ^{1,2,5}			< 12%
Calcium Sulfate (CAS No.: 7778-18-9)	15 ^{2,8} /5 ^{1,2,5}	10 ^{1,2,7}	5 ^{1,2}	10-11%
Potassium Alginate (CAS No.: 9005-36-1)	15 ^{2,8} /5 ^{1,2,5}			< 6 %
Zinc Oxide (CAS No.: 1314-13-2)	15 ^{1,2,8} /5 ^{1,2,5,8,10}	10 ^{1,2,4,7,8} /5 ^{1,2,10}	5 ^{1,2,8,10}	< 5%
Crystalline Silica (CAS No.: 14464-46-1)	Note 13	.05 ^{1,2,5}	.05 ^{1,2,5,8,11}	< 4 %
Potassium Titanium Fluoride (CAS No.: 16919-27-0)	< 2	2.5 ²	2.5 ^{1,2}	< 2 %
Calcium Carbonate (CAS No.: 1317-65-3)	15 ^{1,2,8} /5 ^{1,2,5}	10 ^{1,2}	10 ^{1,2,8} /5 ^{1,2,5}	0-1 %

Section III—Physical/Chemical Characteristics

Boiling Point (°F)	Not Determined	Specific Gravity (H ₂ O = 1)	.32
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 (g/100gm @ °F) Not soluble

Appearance and Odor A fine white, buff or pink powder with a mint odor.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) Not Flammable	Flammable Limits	LEL Not Applicable	UEL Not Applicable
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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.

This product poses a slight fire hazard at elevated temperatures.

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

(Reproduce locally)

OSHA 174 Sept. 1985

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Section V—Reactivity Data			
Stability	Unstable	NA	Conditions to Avoid Sources of heat/ignition, extreme temperatures, incompatibles
	Stable	YES	
Incompatibility (Materials to Avoid) Oxidizers (e.g. chlorine, oxygen).			
Hazardous Decomposition or Byproducts Combustion by-products (e.g. carbon monoxide, carbon dioxide)			
Hazardous Polymerization	May Occur	NO	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 an allergic reaction, dermatitis, abdominal pain, coughing, sneezing, nasal congestion, respiratory sensitization, silicosis, destruction of lung tissue, death.			
Carcinogenicity	See Below	NTP? See Below	IARC Monographs? See Below OSHA Regulated? See Below
Crystalline Silica (IARC-1, NTP-R) (human carcinogen), Zinc Oxide (EPA-D)			
Warning: This product contains a chemical known to the State of California to cause cancer.			
Signs and Symptoms of Exposure Eyes; redness & pain. Skin; mild-moderate irritation, swelling. Ingestion; mild pain, nausea, diarrhea. Inhalation; mild-moderate irritation to nose, mouth & throat.			
Medical Conditions			
Generally Aggravated by Exposure Pre-existing respiratory conditions or 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, allow discharged aerosol to dissipate, attempt to stop the flow of liquid, absorb liquid 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 dark, 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.			
Transport	U.S. DOT Proper Shipping Name Not Applicable		
Information	Hazard Class	Not Applicable	UN Identification No. Not Applicable
	Packing Group	Not Applicable	NAERG No. Not Applicable
			Hazard Label 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.			