

SAFETY DATA SHEETS

This SDS packet was issued with item:

073380789

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

073380755 073380813

A31059

1361

MATERIAL SAFETY DATA SHEET
TELEDYNE GETZ/DENSCO

IDENTITY: OPOTOW, Lower Zoe Impression Paste

Section I Item No. 12210, 12211, 12212, 12230, 12231, 12232

MANUFACTURER: Teledyne Getz/Densco Emergency Phone: (312)-593-3334
1550 Greenleaf Ave. Info. Phone: (312)-593-3334
Elk Grove Village, IL. Date Prepared: 01/26/89
60007

Section II - Hazardous Ingredients/Identity Information

hazardous components	CAS NUM	OSHA PEL	ACGIH TLV	%
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No DOT hazardous materials

Section III - Physical/Chemical Characteristics

Boiling Point:	NA	Specific Gravity: (a) 1.022 (b) 3.020
Vapor Pressure:	NA	Melting Point: NA
Vapor Density:	NA	Evaporation Rate: Negligible
Solubility in Water: insoluble		
Appearance and Odor: (A) thick, dark reddish paste, clove-like odor (B) thick, opaque, white paste		

Section IV - Fire and Explosion Hazard Data

Flash Point:	365 F COC	Flammable Limits: LEL NA UEL NA
Extinguishing Media: carbon dioxide, foam, dry chemical or water		
Special Fire Fighting Procedures: none required		

Unusual Fire and Explosion Hazards: none

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CHIEF A&M SERVICE
801 S MARION ST BLDG#62
LAKE CITY, FL 32055-5827

=== MSDS TRACKING INFORMATION ===
MID: 1050914 SANI-TRAYS PERFORATED
PID: 1123941 CUST: 0192203-150
IMG: I:50914 1 PAGE: 1 of 3
PACKET: 84519-0001

 Section V - Reactivity Data

Stability: unstable (conditions to avoid)

 stable X

 Compatibility: (materials to avoid) strong oxidizers

 Hazardous Decomposition or Byproducts: none known

Hazardous may occur (conditions to avoid)

Polymerization:

 will not occur X

 Section VI - Health Hazard Data

 Route(s) of Entry: Inhalation no Skin slight Ingestion yes

 Health Hazards (acute & chronic) none known

 Carcinogenicity: NTP no IARC no OSHA no

 Signs & Symptoms of Exposure: possible skin irritation on prolonged contact. Gastric upset possible on ingestion of large amount.

Medical Conditions

 Aggravated by Exposure: Allergic response possible in sensitized individuals.

 Emergency First Aid: For ingestion of large amounts, rinse mouth Procedures: w/water, ingest milk or egg whites. See physician immediately.

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Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
Spilled paste can be wiped up with a cloth dampened with mineral oil or any of a number of household cleaners.

Waste Disposal Method: Normal municipal service is sufficient for small amounts or as directed by local codes.

Precautions to be Taken for Handling and Storage: For maximum product life, store at controlled room temperature(59-86 F).

Other Precautions: none

Section VIII - Control Measures

Respiratory Protection (specify type) none

Ventilation: Local Exhaust none Special none
Mechanical none Other none

Protective Gloves: not needed Eye Protection: not needed

Other Protective Clothing or Equipment: not needed

Work/Hygienic Practices: Normal handling techniques will usually provide sufficient protection when using this product.

LWRZOE

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PID: 1123941 CUST: 0194203-150
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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: OPOTOW® Z.O.E. IMPRESSION PASTE

Product Code: 012200-000

Intended Use of the Product

Designed for use in the preparation of full or partial denture impressions in a custom tray or as a wash. Type I Heavy-Bodied.

Name, Address, and Telephone of the Responsible Party

Company

Water Pik, Inc.
1730 East Prospect Road
Fort Collins, CO 80553-0001
800/525-2020 (8 am- 4pm MST)

Emergency Telephone Number

Emergency Number : 800/424-9300 (24 Hr: CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
STOT RE 2 H373
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

: P260 - Do not breathe vapors, mist, spray.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective clothing, protective gloves, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see Section 4).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.

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P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Inhalation of dusts and fumes can cause metal fume fever. Symptoms can include a metallic or sweet taste in the mouth, sweating, shivering, headache, throat irritation, fever, chills, thirstiness, muscle aches, nausea, vomiting, weakness, fatigue, and shortness of breath.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Zinc oxide	(CAS No) 1314-13-2	0.1 to 1, 1 to 5, 5 to 10, 10 to 30, 30 to 60, or 60 to 85	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Rosin, polymerized	(CAS No) 65997-05-9	0.1 to 1, 1 to 5, 5 to 10, 10 to 30, or 30 to 52	Not classified
Talc	(CAS No) 14807-96-6	0.1 to 1, 1 to 5, 5 to 10, or 10 to 17	Comb. Dust STOT RE 2, H373
Eugenol	(CAS No) 97-53-0	0.1 to 1, 1 to 5, 5 to 10, or 10 to 17	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Castor oil	(CAS No) 8001-79-4	0.1 to 1, 1 to 5, 5 to 10, or 10 to 14	Not classified
Paraffin oils	(CAS No) 8012-95-1	0.1 to 1 or 1 to 4	Asp. Tox. 1, H304 Aquatic Chronic 4, H413
Petrolatum	(CAS No) 8009-03-8	0.1 to 1 or 1 to 3	Not classified
Zinc chloride	(CAS No) 7646-85-7	0.1 to 1 or 1 to 2	Comb. Dust Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Beeswax (The wax obtained from the honeycomb of the bee. Consists primarily of myricyl palmitate, cerotic acid and esters and some high-carbon paraffins.)	(CAS No) 8012-89-3	0.1 to 1 or 1 to 2	Not classified

More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER or doctor/physician if you feel unwell. Keep at rest and in a position comfortable for breathing.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation persists. Wash with plenty of soap and water.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

Inhalation: May cause respiratory irritation. Inhalation of fumes may cause metal fume fever.

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Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Repeated or prolonged inhalation may damage lungs.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

Hazardous Combustion Products: Irritating fumes. Oxides of zinc and carbon. Hydrocarbons. Hydrogen chloride. If heated to the point of fume generation zinc fumes may cause metal fume fever.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray. Do not allow product to spread into the environment.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: As an immediate precautionary measure, isolate spill or leak area in all directions. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Contact competent authorities after a spill.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash contaminated clothing before reuse.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

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Specific End Use(s) Designed for use in the preparation of full or partial denture impressions in a custom tray or as a wash. Type I Heavy-Bodied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Zinc oxide (1314-13-2)		
USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	15 mg/m ³
USA IDLH	US IDLH (mg/m ³)	500 mg/m ³
Alberta	OEL STEL (mg/m ³)	10 mg/m ³
Alberta	OEL TWA (mg/m ³)	2 mg/m ³
British Columbia	OEL STEL (mg/m ³)	10 mg/m ³
British Columbia	OEL TWA (mg/m ³)	2 mg/m ³
Manitoba	OEL STEL (mg/m ³)	10 mg/m ³
Manitoba	OEL TWA (mg/m ³)	2 mg/m ³
New Brunswick	OEL STEL (mg/m ³)	10 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	5 mg/m ³
Newfoundland & Labrador	OEL STEL (mg/m ³)	10 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	2 mg/m ³
Nova Scotia	OEL STEL (mg/m ³)	10 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	2 mg/m ³
Nunavut	OEL STEL (mg/m ³)	10 mg/m ³
Nunavut	OEL TWA (mg/m ³)	10 mg/m ³ (total mass)
Northwest Territories	OEL STEL (mg/m ³)	10 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	10 mg/m ³ (total mass)
Ontario	OEL STEL (mg/m ³)	10 mg/m ³
Ontario	OEL TWA (mg/m ³)	2 mg/m ³
Prince Edward Island	OEL STEL (mg/m ³)	10 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	2 mg/m ³
Québec	VECD (mg/m ³)	10 mg/m ³
Québec	VEMP (mg/m ³)	5 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	10 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	2 mg/m ³
Yukon	OEL STEL (mg/m ³)	20 mg/m ³
Yukon	OEL TWA (mg/m ³)	10 mg/m ³
Talc (14807-96-6)		
USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	2 mg/m ³ (containing no Asbestos and <1% Quartz)
USA IDLH	US IDLH (mg/m ³)	1000 mg/m ³ (containing no asbestos and <1% quartz)
Alberta	OEL TWA (mg/m ³)	2 mg/m ³
British Columbia	OEL TWA (mg/m ³)	2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Manitoba	OEL TWA (mg/m ³)	2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
New Brunswick	OEL TWA (mg/m ³)	2 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Nova Scotia	OEL TWA (mg/m ³)	2 mg/m ³ (particulate matter containing no Asbestos and

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		<1% Crystalline silica)
Nunavut	OEL TWA (mg/m ³)	6 mg/m ³ (total mass)
Northwest Territories	OEL TWA (mg/m ³)	6 mg/m ³ (total mass)
Ontario	OEL TWA (mg/m ³)	2 mg/m ³ (containing no Asbestos and <1% Crystalline silica)
Prince Edward Island	OEL TWA (mg/m ³)	2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Québec	VEMP (mg/m ³)	3 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	2 mg/m ³
Yukon	OEL TWA (mg/m ³)	20 mppcf
Paraffin oils (8012-95-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA IDLH	US IDLH (mg/m ³)	2500 mg/m ³
Alberta	OEL STEL (mg/m ³)	10 mg/m ³
Alberta	OEL TWA (mg/m ³)	5 mg/m ³
British Columbia	OEL TWA (mg/m ³)	1 mg/m ³ (severely refined)
Manitoba	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined)
New Brunswick	OEL STEL (mg/m ³)	10 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	5 mg/m ³ (as sampled by a method that does not collect vapor)
Newfoundland & Labrador	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined)
Nova Scotia	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined)
Nunavut	OEL STEL (mg/m ³)	10 mg/m ³
Nunavut	OEL TWA (mg/m ³)	5 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	10 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	5 mg/m ³
Ontario	OEL TWA (mg/m ³)	5 mg/m ³ (pure, highly and severely refined, excluding metal working fluids)
Prince Edward Island	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined)
Québec	VECD (mg/m ³)	10 mg/m ³
Québec	VEMP (mg/m ³)	5 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	10 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	5 mg/m ³
Yukon	OEL STEL (mg/m ³)	10 mg/m ³
Yukon	OEL TWA (mg/m ³)	5 mg/m ³
Zinc chloride (7646-85-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
USA ACGIH	ACGIH STEL (mg/m ³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	2 mg/m ³
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³
Alberta	OEL STEL (mg/m ³)	2 mg/m ³

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Alberta	OEL TWA (mg/m ³)	1 mg/m ³
British Columbia	OEL STEL (mg/m ³)	2 mg/m ³
British Columbia	OEL TWA (mg/m ³)	1 mg/m ³
Manitoba	OEL STEL (mg/m ³)	2 mg/m ³
Manitoba	OEL TWA (mg/m ³)	1 mg/m ³
New Brunswick	OEL STEL (mg/m ³)	2 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	1 mg/m ³
Newfoundland & Labrador	OEL STEL (mg/m ³)	2 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	1 mg/m ³
Nova Scotia	OEL STEL (mg/m ³)	2 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	1 mg/m ³
Nunavut	OEL STEL (mg/m ³)	2 mg/m ³
Nunavut	OEL TWA (mg/m ³)	1 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	2 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	1 mg/m ³
Ontario	OEL STEL (mg/m ³)	2 mg/m ³
Ontario	OEL TWA (mg/m ³)	1 mg/m ³
Prince Edward Island	OEL STEL (mg/m ³)	2 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	1 mg/m ³
Québec	VEMP (mg/m ³)	1 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	2 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	1 mg/m ³
Yukon	OEL STEL (mg/m ³)	2 mg/m ³
Yukon	OEL TWA (mg/m ³)	1 mg/m ³

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wash contaminated clothing before reuse.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Blue-green, Base: Light Blue, Accelerator: Brown
Odor	: Clove
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Freezing/Melting Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available

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Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Upper/Lower Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Specific Gravity	: 1 - 3
Solubility	: Not soluble in water
Partition Coefficient: N-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: The product is stable at normal handling and storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Extremely high or low temperatures. Sources of ignition. Incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Inhalation of fumes may cause metal fume fever.

Symptoms/Injuries After Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Repeated or prolonged inhalation may damage lungs.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Zinc oxide (1314-13-2)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
Eugenol (97-53-0)	
LD50 Oral Rat	1930 mg/kg
Petrolatum (8009-03-8)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg read across
LD50 Dermal Rabbit	3600 mg/kg
Paraffin oils (8012-95-1)	
LC50 Inhalation Rat	2062 ppm/4h
Zinc chloride (7646-85-7)	
LD50 Oral Rat	350 mg/kg

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Talc (14807-96-6)	
IARC Group	3
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity, Twelfth Report - Items under consideration.
Eugenol (97-53-0)	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Zinc oxide (1314-13-2)	
LC50 Fish 1	780 µg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0.122 mg/l
NOEC chronic fish	0.026 mg/l (Species: Jordanella floridae)
Talc (14807-96-6)	
LC50 Fish 1	> 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
Petrolatum (8009-03-8)	
LC50 Fish 1	> 1000 mg/l LL0; insoluble in water
NOEC (chronic)	> 1000 mg/l
NOEC chronic fish	> 1000 mg/l
Zinc chloride (7646-85-7)	
LC50 Fish 1	727 µg/l
EC50 Daphnia 1	330 µg/l

Persistence and Degradability

OPOTOW® Z.O.E. IMPRESSION PASTE	
Persistence and Degradability	Not established. May cause long-term adverse effects in the environment.

Bioaccumulative Potential

OPOTOW® Z.O.E. IMPRESSION PASTE	
Bioaccumulative Potential	Not established.
Talc (14807-96-6)	
BCF Fish 1	(no known bioaccumulation)
Petrolatum (8009-03-8)	
Log Pow	> 6 Calculated
Zinc chloride (7646-85-7)	
BCF Fish 1	16000

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Not regulated for transport

In Accordance with IMDG

Not regulated for transport

In Accordance with IATA

Not regulated for transport

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SECTION 15: REGULATORY INFORMATION

US Federal Regulations

OPOTOW® Z.O.E. IMPRESSION PASTE	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Zinc oxide (1314-13-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Rosin, polymerized (65997-05-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Talc (14807-96-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Eugenol (97-53-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Petrolatum (8009-03-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Castor oil (8001-79-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Paraffin oils (8012-95-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Zinc chloride (7646-85-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Beeswax (The wax obtained from the honeycomb of the bee. It consists primarily of myricyl palmitate, cerotic acid and esters and some high-carbon paraffins.) (8012-89-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

Zinc oxide (1314-13-2)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Talc (14807-96-6)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Paraffin oils (8012-95-1)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Zinc chloride (7646-85-7)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	

Canadian Regulations

OPOTOW® Z.O.E. IMPRESSION PASTE	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects



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Zinc oxide (1314-13-2)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Rosin, polymerized (65997-05-9)	
Listed on the Canadian DSL (Domestic Substances List)	
Talc (14807-96-6)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Eugenol (97-53-0)	
Listed on the Canadian DSL (Domestic Substances List)	
Petrolatum (8009-03-8)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Castor oil (8001-79-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Paraffin oils (8012-95-1)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Zinc chloride (7646-85-7)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class E - Corrosive Material
Beeswax (The wax obtained from the honeycomb of the bee. It consists primarily of myricyl palmitate, cerotic acid and esters and some high-carbon paraffins.) (8012-89-3)	
Listed on the Canadian DSL (Domestic Substances List)	

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date	: 10/02/2017
Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1B	Skin corrosion/irritation Category 1B

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Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
Comb. Dust	May form combustible dust concentrations in air
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.