

SAFETY DATA SHEETS

This SDS packet was issued with item:

073361920

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).

073361912 073362894

**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)

**KREX® Z.O.E. IMPRESSION
CORRECTIVE PASTE**

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 02/12/2013

Fort Collins, CO 80553-0001

Product Code 015100-000, 015101-000, 015102-000,
015103-000, 015105-000, 015106-000

Section II—Hazardous Ingredients/Identity Information

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

Note: ¹ Given as TWA

OSHA PEL¹

ACGIH TLV¹

NIOSH REL¹

% (Volume)

Zinc Oxide (CAS No.: 1314-13-2) Exposure limits as total dust

15 ppm

10 ppm

5 ppm

0-87%

Polypale Resin (CAS No.: 65997-05-9)

0-32%

Talc (CAS No.: 14807-98-8)

20^{mgppm}

2 ppm

2 ppm

0-17%

Cottonseed Oil (CAS No.: 8001-29-4)

0-13%

Eugenol (CAS No.: 97-53-0)

0-10%

Linseed Fatty Acid (CAS No.: 68424-45-3)

0-7%

Petrolatum White (CAS No.: 8009-03-8)

0-7%

Paraffin (CAS No.: 8002-74-2) Exposure limits as fume

2 ppm

2 ppm

0-4%

Olive Oil (CAS No.: 8001-25-0)

< 3%

Acetic Acid (CAS No.: 64-19-7)

25 ppm

25 ppm

25 ppm

0-1%

Section III—Physical/Chemical Characteristics

Boiling Point (°F)

Not Determined

Specific Gravity (H₂O = 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 mixture which forms a tan paste, with a clove-like odor.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

365 °F (open cup)

Flammable Limits

LEL

Not
Determined

UEL

Not
Determined

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.

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

FCP-70-020-001 Rev. Date 04/04/00

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 Water Pik, Inc. 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 Water Pik, Inc. 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, Inc. 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, however arising, even if Water Pik, Inc. 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
	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).			
Hazardous Polymerization	May Occur	NA	Conditions to Avoid
	Will Not Occur	YES	
Section VI—Health Hazard Data			
Route(s) of Entry	Inhalation?	YES	Ingestion?
		YES	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	OSHA Registered?
		See Below	See Below
Zinc Oxide (EPA-D), and Taic (IARC-3) are listed. (all 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.			
Transport	U.S. DOT Proper Shipping Name		
	Not Applicable		
Information	Hazard Class	UN Identification No.	
	Not Applicable	Not Applicable	
Packing Group	HAZARD No.	HAZARD Label	
	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
	Mechanical (General)	YES-Vent fumes, Control exhaust	Other
			Observe air quality control requirements.
Protective Gloves	YES-Rubber, Nitrile, Neoprene		Eye Protection
			YES-Chemical Safety Glasses/Goggles
Other Protective Clothing or Equipment YES-Chemical protective clothing.			
Work/Hygiene 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.			

SECTION 1: IDENTIFICATION

Product Identifier

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

Product Code: 015100-000, 015101-000, 015102-000

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 II Medium-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)

:



GHS07



GHS08



GHS09

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 87	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 32	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
Cottonseed oil	(CAS No) 8001-29-4	0.1 to 1, 1 to 5, 5 to 10, or 10 to 13	Not classified
Eugenol	(CAS No) 97-53-0	0.1 to 1, 1 to 5, or 5 to 10	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Fatty acids, linseed-oil	(CAS No) 68424-45-3	0.1 to 1, 1 to 5, or 5 to 7	Not classified
Petrolatum	(CAS No) 8009-03-8	0.1 to 1, 1 to 5, or 5 to 7	Not classified
Paraffin waxes and Hydrocarbon waxes	(CAS No) 8002-74-2	0.1 to 1 or 1 to 4	Comb. Dust
Olive oil	(CAS No) 8001-25-0	0.1 to 1 or 1 to 3	Not classified
Acetic acid	(CAS No) 64-19-7	0.1 to 1	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402

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.

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.

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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. 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.

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 II Medium-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

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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 <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

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Saskatchewan	OEL TWA (mg/m³)	2 mg/m³
Yukon	OEL TWA (mg/m³)	20 mppcf
Paraffin waxes and Hydrocarbon waxes (8002-74-2)		
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	2 mg/m³
Alberta	OEL TWA (mg/m³)	2 mg/m³
British Columbia	OEL TWA (mg/m³)	2 mg/m³
Manitoba	OEL TWA (mg/m³)	2 mg/m³
New Brunswick	OEL TWA (mg/m³)	2 mg/m³
Newfoundland & Labrador	OEL TWA (mg/m³)	2 mg/m³
Nova Scotia	OEL TWA (mg/m³)	2 mg/m³
Nunavut	OEL STEL (mg/m³)	6 mg/m³
Nunavut	OEL TWA (mg/m³)	2 mg/m³
Northwest Territories	OEL STEL (mg/m³)	6 mg/m³
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³
Ontario	OEL TWA (mg/m³)	2 mg/m³
Prince Edward Island	OEL TWA (mg/m³)	2 mg/m³
Québec	VEMP (mg/m³)	2 mg/m³
Saskatchewan	OEL STEL (mg/m³)	4 mg/m³
Saskatchewan	OEL TWA (mg/m³)	2 mg/m³
Yukon	OEL STEL (mg/m³)	6 mg/m³
Yukon	OEL TWA (mg/m³)	2 mg/m³
Acetic acid (64-19-7)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	25 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	25 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	10 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	37 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	15 ppm
USA IDLH	US IDLH (ppm)	50 ppm
Alberta	OEL STEL (mg/m³)	37 mg/m³
Alberta	OEL STEL (ppm)	15 ppm
Alberta	OEL TWA (mg/m³)	25 mg/m³
Alberta	OEL TWA (ppm)	10 ppm
British Columbia	OEL STEL (ppm)	15 ppm
British Columbia	OEL TWA (ppm)	10 ppm
Manitoba	OEL STEL (ppm)	15 ppm
Manitoba	OEL TWA (ppm)	10 ppm
New Brunswick	OEL STEL (mg/m³)	37 mg/m³
New Brunswick	OEL STEL (ppm)	15 ppm
New Brunswick	OEL TWA (mg/m³)	25 mg/m³
New Brunswick	OEL TWA (ppm)	10 ppm
Newfoundland & Labrador	OEL STEL (ppm)	15 ppm
Newfoundland & Labrador	OEL TWA (ppm)	10 ppm
Nova Scotia	OEL STEL (ppm)	15 ppm
Nova Scotia	OEL TWA (ppm)	10 ppm
Nunavut	OEL STEL (mg/m³)	39 mg/m³
Nunavut	OEL STEL (ppm)	15 ppm
Nunavut	OEL TWA (mg/m³)	26 mg/m³

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Nunavut	OEL TWA (ppm)	10 ppm
Northwest Territories	OEL STEL (mg/m ³)	39 mg/m ³
Northwest Territories	OEL STEL (ppm)	15 ppm
Northwest Territories	OEL TWA (mg/m ³)	26 mg/m ³
Northwest Territories	OEL TWA (ppm)	10 ppm
Ontario	OEL STEL (ppm)	15 ppm
Ontario	OEL TWA (ppm)	10 ppm
Prince Edward Island	OEL STEL (ppm)	15 ppm
Prince Edward Island	OEL TWA (ppm)	10 ppm
Québec	VECD (mg/m ³)	37 mg/m ³
Québec	VECD (ppm)	15 ppm
Québec	VEMP (mg/m ³)	25 mg/m ³
Québec	VEMP (ppm)	10 ppm
Saskatchewan	OEL STEL (ppm)	15 ppm
Saskatchewan	OEL TWA (ppm)	10 ppm
Yukon	OEL STEL (mg/m ³)	43 mg/m ³
Yukon	OEL STEL (ppm)	25 ppm
Yukon	OEL TWA (mg/m ³)	25 mg/m ³
Yukon	OEL TWA (ppm)	10 ppm

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	: Tan. Base: Red, Hardener: White
Odor	: Clove-like
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
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

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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 waxes and Hydrocarbon waxes (8002-74-2)	
LD50 Oral Rat	> 3750 mg/kg
LD50 Dermal Rabbit	> 3600 mg/kg
Acetic acid (64-19-7)	
LD50 Oral Rat	3310 mg/kg
LD50 Dermal Rabbit	1060 µl/kg
LC50 Inhalation Rat	11.4 mg/l/4h

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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
Acetic acid (64-19-7)	
LC50 Fish 1	79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC 50 Fish 2	75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Persistence and Degradability

Not established. May cause long-term adverse effects in the environment.

Bioaccumulative Potential

KREX® 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
Acetic acid (64-19-7)	
Log Pow	-0.31 (at 20 °C)

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

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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	
Cottonseed oil (8001-29-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.
Eugenol (97-53-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Fatty acids, linseed-oil (68424-45-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.
Petrolatum (8009-03-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Olive oil (8001-25-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Acetic acid (64-19-7)	
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	
Cottonseed oil (8001-29-4)	
U.S. - Pennsylvania - RTK (Right to Know) List	
Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Acetic acid (64-19-7)	
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	

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Canadian Regulations

KREX® Z.O.E. IMPRESSION PASTE	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
 	
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
Cottonseed oil (8001-29-4)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Eugenol (97-53-0)	
Listed on the Canadian DSL (Domestic Substances List)	
Fatty acids, linseed-oil (68424-45-3)	
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
Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Olive oil (8001-25-0)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Acetic acid (64-19-7)	
Listed on the Canadian DSL (Domestic Substances List), Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class E - Corrosive Material

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 : 09/17/2018
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 Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1

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Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
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
H226	Flammable liquid and vapor
Comb. Dust	May form combustible dust concentrations in air
H302	Harmful if swallowed
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
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.