

## SAFETY DATA SHEET

### Section 1. Product And Company Identification

**Product Name:** Impression Compounds (All Colors)

**Product Use:** Dental product: Impression material

**Manufacturer:** Kerr Corporation  
1717 W. Collins Ave.  
Orange, CA 92867-5422  
U.S.A.

**Information Phone Number:** 1-800-841-1428 (Customer Service)

**Chemical Emergency Phone Number** (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

**SDS Date of Preparation/Revision:** February 21, 2019

### Section 2. Hazards Identification

**GHS Classification:**  
Skin Sensitization Category 1

**Label Elements:**  
Warning!



**Hazard Phrases**  
May cause an allergic skin reaction.

**Precautionary Phrases:**  
Avoid breathing dust or vapors.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical attention.  
Wash contaminated clothing before reuse.  
Dispose of contents and container in accordance with local and national regulations.

### Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Talc	14807-96-6	30-60%
Rosin	8050-09-7	<10%
Titanium dioxide*	13463-67-7	<10%

\*Titanium Dioxide in this product is inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore, this product is not classified as a carcinogen.

## Section 4. First Aid Measures

**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Flush skin thoroughly with water for several minutes. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

**Eye Contact:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Do not attempt to give anything by mouth to an unconscious person. Get medical attention if symptoms develop.

**Most important symptoms and effects, acute and delayed:** Contact with dust may cause mechanical eye irritation and skin irritation. May cause skin sensitization. Inhalation of dust may cause irritation of the mucous membranes and upper respiratory tract.

**Indication of immediate medical attention and special treatment, if needed:** Immediate medical attention is not required.

## Section 5. Fire Fighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Combustion may produce oxides of carbon and metal oxides.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water. Powders that become wet may cause surfaces to be extremely slippery and cause a slip hazard.

## Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Avoid generating air-born dust. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Avoid breathing dust. Powders that become wet may cause surfaces to be extremely slippery and present a slip hazard.

**Environmental Precautions:** Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning up:** Scoop or shovel up using methods that minimize the generation of airborne dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Place dry material into an appropriate container for disposal. Wipe spill area with a damp cloth. Dust deposits should not be allowed to accumulate on surfaces.

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Avoid generating or breathing dust. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area away from direct sunlight. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

## Section 8. Exposure Controls / Personal Protection

### Exposure Limits

Chemical	Exposure Limit
Talc	2 mg/m <sup>3</sup> TWA ACGIH TLV
Rosin	0.1 mg/m <sup>3</sup> TWA ACGIH TLV
Titanium dioxide	10 mg/m <sup>3</sup> TWA ACGIH TLV

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice.

**Hand protection:** Impervious gloves are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

**Eye Protection:** Chemical safety goggles or dust goggles are recommended if contact is possible.

**Skin Protection:** Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye and skin washing facilities should be available in the work area.

## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Green/grey/red colored waxy solid	<b>Odor:</b>	Slight paraffinic odor
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting/Freezing Point:</b>	42°C (107.6°F)	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available

<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	>1	<b>Solubilities:</b>	Insoluble in water
<b>Partition Coefficient: (N-Octanol/Water)</b>	Not available	<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available

## Section 10. Stability and Reactivity

**Reactivity:** The product is not expected to be reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Keep away from heat and direct sunlight.

**Incompatible Materials:** None known.

**Hazardous decomposition products:** Thermal decomposition will produce oxides of carbon and metal oxides.

## Section 11. Toxicological Information

### Potential Health Effects:

**Inhalation:** Inhalation of dust may cause nose, throat and upper respiratory tract.

**Skin Contact:** Contact with dust may cause skin irritation. May cause an allergic skin reaction (sensitization)

**Eye Contact:** Dust may cause mechanical (abrasive) irritation.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Hazards:** None currently known.

**Skin corrosion/irritation:** This product is not expected to cause skin irritation.

**Eye damage/ irritation:** This product is not expected to cause eye irritation.

**Skin Sensitization:** This product is expected to cause skin sensitization.

**Respiratory Sensitization:** No data available. This product is not expected to cause respiratory sensitization.

**Germ Cell Mutagenicity:** None of the components are mutagenic.

**Carcinogen:** Titanium Dioxide is listed as Possibly carcinogenic to humans (Group 2B) by IARC. Titanium dioxide in this product is inextricably bound in a manner that no exposure occurs during normal use and handling. Therefore, this product is not classified as a carcinogen. None of the other components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

**Developmental / Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity (Single Exposure):** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** No data available.

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:**

Product ATE: 42474.9 mg/kg (Oral)

Talc: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >2.1 mg/L/4hr (no mortality), Skin rat LD50: >2000 mg/kg

Rosin: Oral rat LD50: >2000 mg/kg, Skin rat LD50: >2000 mg/kg

Titanium dioxide: Oral rat LD50: >2000 mg/kg, Inhalation rat LC50: 3.43-5.09 mg/L/4hr (no mortality)

## Section 12. Ecological Information

**Toxicity:**

Talc: 96 hr LC50 Fish- 89581.016 mg/L (QSAR), 48 hr EC50 Daphnia- 3681.24 mg/L (QSAR)

Rosin: 96hr LC50 Fathead minnow- 1.7 mg/L, 48hr EL50 Daphnia magna- 36 mg/L

**Persistence and degradability:** Biodegradation is not applicable to inorganic substances.

**Bioaccumulative Potential:**

Rosin: log  $P_{ow}$  1.9 – 7.7, potential for bioaccumulative is high.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

## Section 13. Disposal Considerations

**Disposal:** For unused product, dispose of in accordance with Federal and local regulations.

**Container Disposal:** Dispose of empty container in accordance with Federal and local regulations.

## Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	None	None
EU ADR/RID	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None

**Special Precautions for User:** None identified.

**Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

<b>Section 15. Regulatory Information</b>
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**U.S. Federal Regulations:**

**EPA SARA 311/312 Hazard Classification:** Refer to Section 2 for OSHA Hazard Classification.

**EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):** None

**Protection Of Stratospheric Ozone:** This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

**CERCLA SECTION 103:** This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**International Inventories**

**US EPA TSCA Inventory:** All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

**Canada CEPA:** All of the components of this material are listed on the DSL or exempt.

<b>Section 16. Other Information</b>
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**Effective Date:** February 21, 2019

**Supersedes Date:** June 9, 2015

**Revision Summary:** All Sections – New SDS format

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.