

SAFETY DATA SHEETS

This SDS packet was issued with item:

074289112

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).

074287942 074288197 074288205 074288213 074288221 074288239 074289104 074289120 074289138

MATERIAL SAFETY DATA SHEET

EXTRUDE BASE PASTE (ALL VISCOSITIES)

Impression Material

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1-800-424-9300
Date Prepared: April 17, 2006

2 - COMPOSITION INFORMATION

Hazardous Ingredients

This product contains no hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<u>Other Ingredients</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Polyvinyl Siloxanes	N/A	N/A	20-60
Wollastonite (Calcium Silicate)	N/A	N/A	30-50
Fumed Silica (Silicon Dioxide)	N/A	N/A	2-10

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A
Specific Gravity (H₂O = 1): ~1.25
Vapor Pressure (mm Hg): N/D
Vapor Density (AIR = 1): N/D
Solubility in Water: Insoluble
Appearance and Odor: Various colored pastes with a slight fruity odor

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >288 °F (142 °C)
Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: Water spray, carbon dioxide and dry chemical
Special Fire Fighting Procedures: None known
Unusual Fire and Explosion Hazards: Irritating fumes may develop when product is heated. Avoid eye and skin contact. Do not breathe fumes.

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Elevated temperatures or open flame
Incompatibility (Materials to Avoid): Oxidizers
Hazardous Decomposition Products: N/A
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:

Skin: May cause mild irritation.

Eyes: May cause irritation.

Inhalation: May cause mild irritation.

Ingestion: May be harmful if swallowed.

Carcinogenicity - NTP: No

IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Flush with water, then wash with soap and water .

Eyes: Flush with water for 15 minutes. Get medical attention.

Inhalation: Move individual to fresh air.

Ingestion: Do not give fluids or induce vomiting. Get medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Cover spill with absorbent material. Transfer to a suitable container.

Waste Disposal Method: Do not release into sewer system. Dispose of absorbent material as solid waste.

Precautions to be taken in handling and storing: Use according to directions. Store in a cool, dry area.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): N/A

VENTILATION:

Local Exhaust: Use in a well-ventilated area.

Mechanical (General): Should be sufficient

Protective Gloves: Protective gloves are recommended.

Eye Protection: Safety glasses

Other Protective Clothing or Equipment: None

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. Includes avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - ADDITIONAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:

H1 F0 R0

[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;

2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.

SAFETY DATA SHEET

Section 1. Product And Company Identification**Product Name:** Extrude Base (All Viscosity)**Product Use:** Denture 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:** December 26, 2018**Section 2. Hazards Identification****GHS Classification:**
Not Classified**Label Elements:**
None Required**Section 3. Composition/Information on Ingredients**

Component	CAS No.	Amount
Fumed silica	67762-90-7	<10%
Ethoxylated alkylphenol	68412-54-4	<5%
Chromium (III) Oxide	1308-38-9	<3%
Cobalt aluminate blue spinel	1345-16-0	<3%

Section 4. First Aid Measures**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.**Skin Contact:** Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated 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. Get medical attention if you feel unwell.**Most important symptoms and effects, acute and delayed:** May cause eye and skin irritation. Inhalation of dust from dried product or vapors 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. Contain water used in firefighting from entering sewers or natural waterways.

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Avoid breathing dust from dried product or vapors.

Environmental Precautions: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning up: Collect material with an inert absorbent material and place in appropriate, labeled container for disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: P 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 breathing dust or vapors. 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
Fumed silica (as amorphous silica)	15 mg/m ³ TWA OSHA PEL (total dust) 5 mg/m ³ TWA OSHA PEL (respirable)

Ethoxylated alkylphenol	None Established
Chromium (III) oxide	0.5 mg/m ³ TWA ACGIH
Cobalt aluminate blue spinel	0.02 mg/m ³ TWA ACGIH

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 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

Appearance:	Paste of various colors	Odor:	Slightly fruity odor
Odor Threshold:	Not available	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	Not available
Flash Point:	>142 °C (>287.6 °F)	Evaporation Rate:	Not available
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	LEL: Not applicable UEL: Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not available
Relative Density:	1.25 (approximate)	Solubilities:	Insoluble in water
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not available
Decomposition Temperature:	Not available	Viscosity:	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 flames, heat, and direct sunlight.

Incompatible Materials: Oxidizing materials.

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

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: Inhalation of dust from dried product or vapors may cause nose, throat and upper respiratory tract.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: Direct contact may cause eye 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 corrosion or irritation.

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

Skin Sensitization: This product is not 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: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

Developmental / Reproductive Toxicity: This product is not classified as a reproductive hazard.

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:

Fumed silica: Oral rat LD50: >5000 mg/kg, Inhalation rat LC0: >0.139 mg/L/4hr (no mortality), Skin rat LD50: >5000 mg/kg

Ethoxylated alkylphenol: Oral rat LD50: >2000 mg/kg, Rabbit rat LD50: >2000 mg/kg

Chromium Oxide: Oral rat LD50: >15000 mg/kg, Inhalation rat LC50: >5.41 mg/L/4hr (no mortality)

Cobalt aluminate blue spinel: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >5.06 mg/L/4hr (no mortality)

Section 12. Ecological Information

Toxicity: Ethoxylated alkylphenol: 96hr LC50 Fathead minnow: 0.218 mg/L, 91 days NOEC Rainbow trout: 0.006 mg/L, 48 hr LC50 Daphnia magna: 0.148 mg/L, 21 days NOEC Daphnia magna: 0.1 mg/L

This product is expected to be very toxic to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

Persistence and degradability: No data available.

Bioaccumulative Potential: No data available.

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	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (Ethoxylated alkylphenol)	9	III	Not applicable
EU ADR/RID	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (Ethoxylated alkylphenol)	9	III	Not applicable
IMDG	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (Ethoxylated alkylphenol)	9	III	Not applicable
IATA/ICAO	UN3077	Environmentally Hazardous Substance, solid, n.o.s. (Ethoxylated alkylphenol)	9	III	Not applicable

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.

Section 15. Regulatory Information

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.

Section 16. Other Information

Effective Date: December 26, 2018

Supersedes Date: March 31, 2014

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.