

**I – Identification of the Substance and of the Company**

SUPPLIER: RMO, Inc.  
650 W. Colfax Ave.  
Denver, CO 80204  
303-592-8200

Trade Name and Synonyms – Ortho-Jel  
Description: Ortho-Jel Alginate Impression  
Material

Emergency Information Chemtrec: 800-424-9300  
Chemtrec International: 202-483-7616

Product Grade / Name:

**IMPRESSION MATERIALS - ALGINATE**

**II – Composition / Information on Ingredients**

<u>Chemical Characterization:</u>	<u>CAS Reg. No.:</u>
Sodium Alginate	9005-38-3
Sodium Phosphate	7722-88-5
Magnesium Oxide	1309-48-4
Magnesium Carbonate	39409-82-0
Calcium Sulfate	10101-41-4
Potassium Fluortitanate	16919-27-0
Diatomaceous Earth	61790-53-2

Dangerous Substances:

<u>Substance:</u>	<u>%</u>	<u>CAS Reg. No.:</u>	<u>Risk Phrases:</u>
Potassium Fluortitanate	1-2	16919-27-0	R20/21;R25
Form: Dust Free Powders			

**III – Hazards Identification**

Principle Hazard: Caused by dust generation. Do not breathe in alginate dust. Use of a mask to avoid exposure is recommended.

TLV – TWA: 0.1 mg/m<sup>3</sup>

**IV – First Aid Measures**

Inhalation: Remove to fresh air.

Skin contact: Wash with mild soap and water.

Eye Contact: Flush with clean water.

Ingestion: Drink large amounts of water.

**V – Fire Fighting Measures**

Flash Point: N/A

Ignition Temperature: N/A

Extinguishing Media Suitable: Water, Foam, Treat as class A fire.

Special Exposure Hazards: None

#### **VI – Accidental Release Measures**

Collect in containers for disposal. Material may be disposed of in compliance with local regulations. Sweep up without water to avoid slipping hazard.

#### **VII – Handling and Storage**

Handling: Avoid dust accumulation.

Storage: Store in original container in a cool dry place.

#### **VIII – Exposure Controls / Personal Protection**

Respiratory Protection: Do not breathe in dusts. Use of a mask to avoid exposure is recommended. Use in a well ventilated area.

Hand Protection: None. If needed use latex gloves.

Eye Protection: None if used as directed. Goggles if dust occurs.

Industrial Hygiene: None

#### **IX – Physical and Chemical Properties**

Physical State at 25 °C: Powder

Appearance: Fine powder

Odor: Vanilla-spearmint

pH Value: N/A

Solubility in Water (% by Wt): Insoluble

Viscosity: N/A

Density: 0,4 g/cm<sup>3</sup>

Flash Point: N/A

Auto Ignition Temperature: N/A

#### **X – Stability and Reactivity**

Thermal Decomposition: Will burn when in contact flame

Hazardous Decomposition Products: None

Hazardous Reactions: Will not occur

#### **XI – Toxicological Information**

The product presents no toxic hazard when used properly and in accordance with manufacturer instructions. Avoid breathing dusts.

#### **XII – Ecological Information**

Solubility in Water: In contact with water it starts to gel.

Biodegradability: Material is biodegradable at 30%.

Environmental Hazard: No environmental hazard known.

#### **XIII – Disposal Considerations**

Dispose of in accordance with state, local and federal law. Product and packaging materials are not listed in the Hazardous Waste Inventories.

#### **XIV – Transportation Information**

This material is not regulated by D.O.T. classification for dangerous substance

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regulations, and can be transported by any practical method of shipment.

#### **XV – Regulatory Information**

No labeling is required for this material by the Chemical (Hazard Information and Packaging) regulations 1993 and corresponding EEC directives.

Risk Phrases: N/A

Safety Phrases: N/A

Hazard Symbols: N/A

#### **XVI – Other Information**

Note: While the information and recommendations set forth on this data sheet are believed to be accurate as received from our suppliers, RMO, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.