



**COE ALGINATE
MATERIAL SAFETY DATA SHEET**

SECTION 1 - SOURCE/IDENTITY/USE INFORMATION**MANUFACTURER**

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COMMON NAME: COE ALGINATE CHERRY - FAST/NORMAL

COE ALGINATE MINT - FAST/NORMAL

CHEMICAL NAME: N.A.**PRODUCT USE:** Dental impression material (powder component) to be mixed with water.*The following information is provided with regard to the toxicity and hazards of the pure components present in this product.***SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Calcium Sulfate	7778-18-9	TWA=10mg/m ³ (ACGIH) TWA=15mg/m ³ (total dust) TWA=5mg/m ³ (respirable) (OSHA)	N.E.	7-13
Diatomaceous Earth may contain up to 70% Crystalline Silica	68855-54-9 14464-46-1	See Below TWA=0.05mg/m ³ (ACGIH)	N.A.	60-70 <49
Zinc oxide	1314-13-2	TWA=10mg/m ³ (dust) (ACGIH) TWA=5mg/m ³ (fume) (ACGIH) STEL=10mg/m ³ (ACGIH) TWA=15mg/m ³ (total dust) TWA=5mg/m ³ (respirable) (OSHA)	LD50=7.9g/kg (oral rat) LC50=N.E.	1-5
Potassium Titanium Fluoride	1619-27-5	PEL=2.5mg/m ³ TLV=2.5mg/m ³ (as fluoride) (OSHA)	N.E.	1-5
Tetra Sodium Pyrophosphate	7722-88-5	TLV=5mg/m ³ TWA=5mg/m ³ (ACGIH)	LD50=4 g/kg LC50=N.E.	1-5

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES**BOILING POINT:** N.A.**VAPOR PRESSURE:** N.A.**VAPOR DENSITY:** N.A.**SOLUBILITY IN WATER:** N.E.**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N.E.**APPEARANCE AND ODOR:** Pink/white free flowing powder with cherry/mint odor.**SPECIFIC GRAVITY (H2O = 1):** >1.0**MELTING POINT:** N.E.**EVAPORATION RATE:** N.A.**ODOR THRESHOLD:** N.E.**SECTION 4 - FIRE AND EXPLOSION DATA****FLASH POINT:** N.A.**FLAMMABLE LIMITS:** N.A.**EXTINGUISHING MEDIA:** Material is non-combustible. Use extinguishing media appropriate to the surrounding area.**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Powder mixed with air may produce conditions conducive to explosion if spark source is present.**HAZARDOUS COMBUSTION PRODUCTS:** N.A.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: Where dust is present - sparks. Avoid high temperatures and humidity.

INCOMPATIBILITY (Materials to Avoid): Avoid contact with hydrofluoric acid. Contact with acids liberates hydrogen fluoride gas which is toxic and corrosive.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: At elevated temperatures various fluoride compounds will be liberated, including hydrogen fluoride and potassium fluoride. At temperatures above 1450°C releases sulfur dioxide and calcium oxide.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X				X	X		Calif. Prop. 65
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): Contains crystalline silica, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease.

CALIFORNIA PROP 65 WARNING: This product contains crystalline silica, a chemical known to the State of California to cause cancer.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Irritation and soreness in throat and nose.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Crystalline silica, calcium sulfate may aggravate preexisting upper respiratory and lung diseases.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air, drink water to clear throat and blow nose to evacuate dust.

INGESTION: Ingestion of fluoride compounds requires medical attention. Do not induce vomiting. Dilution of ingested fluoride must be done with caution.

SKIN: Wash with soap and water.

EYES: Flush with large quantities of water. If irritation develops or persists seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Avoid generating dust while sweeping. If an excessive amount of dust is generated use a filter equipped vacuum.

WASTE DISPOSAL METHOD: Dispose of waste in accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at room temperature and humidity.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Minimize exposure in accordance with good hygiene practice. If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes.

VENTILATION: Local Exhaust: Yes Mechanical: Yes Special: N.A. Other: N.A.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: As necessary for dusts

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow routine safe hygiene practices.

SECTION 9 - PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

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MS329107

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N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED

The information herein is given in good faith. No warranty expressed or implied is made.

FIRE - 0

TOXICITY - 2

NFPA
REACTIVITY - 0

SPECIAL -

