

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: LANG DENTAL MFG. CO., INC.
175 MESSNER DRIVE
WHEELING, IL 60090
U.S.A.

TELEPHONE: PRODUCT INFORMATION: (800) 222-5264 or (847) 215-6622

EMERGENCY CONTACT: INFOTRAC 24 HOURS CHEMICAL RESPONSE SYSTEM
(800) 535-5053 or (352) 323-3500

PRODUCT: ALGINOUT POWDER

PRODUCT NUMBERS: 3430

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT (S):	CAS:	%:
Sodium Carbonate	497-19-8	< 35
Sodium Metasilicate	6834-92-0	< 35
Sodium Citrate	68-04-2	> 30

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and odor. White powder or granules with no odor. Corrosive to eyes, skin and digestive tract.

Warning: May cause respiratory tract irritation.

POTENTIAL HEALTH EFFECTS: Likely routes of exposure. Skin contact and inhalation.

EYE CONTACT: May cause eye burns. The dry powder may cause foreign body irritation in some individuals.

SKIN CONTACT: May cause skin burns. Prolonged contact with the dry powder may cause drying or chapping of the skin.

INHALATION: This product may cause coughing, chest tightness, runny nose, chest pain, and burning throat.

INGESTION: May cause burns to mouth, esophagus and stomach. Swallowing large quantities may cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE/SKIN: Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower lids occasionally. See a medical doctor immediately. Wash hands with plenty of water for 15 minutes. Wash heavily contaminated clothing before reuse.

INGESTION: Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): HAZARDOUS PRODUCTS OF COMBUSTION:
Not combustible Not applicable

EXTINGUISHING MEDIA: This material is compatible with all extinguishing media

SPECIAL FIRE FIGHTING PROCEDURES: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

6. ACCIDENTAL RELEASE MEASURES

In case of spill, keep unnecessary people away; isolate hazard area and deny entry. Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust. If possible, complete cleanup on a dry basis. Flush residual spill area with water.

Personal protection: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing dust. Keep container closed, Use only with adequate ventilation. Promptly clean up spills. Wash thoroughly after handling.

Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

STORAGE: Keep only in original container. Store in cool, dry place to maintain product performance, away from acids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EYE PROTECTION: This product does not cause significant eye irritation or eye toxicity requiring special protection. Use chemical goggles.

SKIN PROTECTION: Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing body-covering protective clothing and gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

RESPIRATORY PROTECTION: Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.

VENTILATION: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: None	APPEARANCE: White powder or granules	pH: NA
MELTING POINT: NE	BOILING POINT: NE	WATER SOLUBILITY: Soluble

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guarantee analysis of any specific lot or as specifications for the product.

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10. STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of storage and handling.

MATERIALS TO AVOID: None known

Sodium carbonate – Aluminum powder, acids, fluorine and molten lithium.

Sodium metasilicate – Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

HAZARDOUS DECOMPOSITION PRODUCT(S): None known

Sodium metasilicate – Hydrogen

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACCUTE DATA: May cause severe irritation of the eyes, skin and upper respiratory tract.

Sodium metasilicate: This material has not been tested for primary eye irritation potential. However, on the basis of high degree of alkalinity, it is regarded as corrosive to the eyes. When this material was tested for skin corrosion/irritation potential according to OECD Guidelines Section 404, it produced dermal corrosion.

CHRONIC EFFECTS FROM OVEREXPOSURE: May cause inflammation of the mucous membranes in the respiratory tract and of the skin.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: This material is not persistent in aquatic systems, but its high pH when undiluted or unneutralized is acutely harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Waste material is classified as a RCRA Hazardous waste because it exhibits the corrosive characteristic (pH greater than or equal to 12.5)

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

14. TRANSPORTATION

DOT / UN SHIPPING NAME:	Corrosive solid, basic, inorganic, n.o.s. (Sodium metasilicate, anhydrous / sodium carbonate anhydrous)
NA/UN NUMBER:	UN3262
DOT/UN CLASS:	8
PACKING GROUP:	II
LABEL:	Corrosive

15. REGULATORY INFORMATION

TSCA: Listed
CANADIAN REGULATIONS:
DSL: Listed

WHMIS Classification: D2B - Materials causing other toxic effects

SARA Hazard Notification
Hazard Categories Under the Title III Rules (40 CFR 370): Immediate
Section 302 Extremely Hazardous Substance: Not applicable
Section 313 Toxic Chemicals: Not applicable

CERCLA Reportable Quantity: Not Applicable

MATERIAL SAFETY DATA SHEET**16. OTHER INFORMATION**

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH = 2

FLAMMABILITY = 0

REACTIVITY = 0

This data sheet was prepared in accordance with Directive 91/155/EEC.

The above information has been gathered from reliable sources and is believed to be correct. However, the information is provided without any warranty, either expressed or implied. Lang Dental Mfg. Co., Inc. shall not be held liable for any damage resulting from the handling of or contact with the above product.

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