

Effective Date 18-Sep-2018

Version 3

1. IDENTIFICATION

Product Identifier**Product Name** ALGINOUT POWDER**Other means of identification****SDS#** 011**UN/ID No** UN3262**Product Code** 3430**Recommended use of the chemical and restrictions on use****Recommended Use** Dental instrument cleaner**Details of the supplier of the safety data sheet****Supplier Address** Lang Dental Mfg. Co., Inc.
175 Messner Dr.
Wheeling, IL 60090
USA**Emergency telephone number****Company Phone Number** 847-215-6622**Emergency Telephone (INFOTRAC)** 352-323-3500 (International)
800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute toxicity – Oral	Category 4
Skin corrosion / irritation	Category 1 Sub-category B
Serious eye damage / eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Signal word

Danger

Hazard statements

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

**Appearance** White granules**Physical state** Powder**Odor** None**Precautionary Statements – Prevention**

P264 Wash face, hands and any exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P260 Do not breathe dust, fumes, gas, mist, vapors or spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P271 Use only outdoors or in a well-ventilated area.

Precautionary Statements – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements – Storage

P403 Store in a well-ventilated place.
P233 Keep container tightly closed.

Precautionary Statements – Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) Not applicable

Other Information Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %	Trade Secret
Sodium metasilicate	6834-92-0	<35	*
Sodium carbonate	497-19-8	<35	*
Sodium citrate	6132-04-3	>30	*

*Specific chemical weight has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention immediately.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

Ingestion Do NOT induce vomiting. Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Skin Contact Remove all contaminated clothing immediately. Shower or rinse skin with soap and water. Wash contaminated clothing before reuse.

Most important symptoms and effects, both acute and delayed

Symptoms Causes skin and eye irritation. May cause coughing, chest tightness, chest pain, runny nose or burning throat. May cause drowsiness or dizziness. May cause burns to the mouth, esophagus or stomach. Swallowing large quantities may cause gastrointestinal tract irritation, nausea, vomiting or diarrhea.

Indication of any immediate medical attention and special treatment needed

Note to physicians Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment..

Specific hazards arising from the chemical Sodium Carbonate: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Hazardous Combustion Products: Sodium Carbonate: Fumes of sodium oxide. Carbon oxides (COx).

Explosion Data

Sensitivity to Mechanical Impact Not sensitive

Sensitivity to Static Discharge Not sensitive

Lower Flammability Level (air): Not flammable

Upper Flammability Level (air): Not flammable

Flash Point: Not applicable

Auto-ignition Temperature: No information available

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent), full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8.

For emergency responders Keep unnecessary people away. Isolate hazard area and deny entry.

Methods and material for containment and clean-up

Method for containment Prevent further leakage or spillage if safe to do so.

Method for clean-up Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust. If possible, complete clean-up on a dry basis. Flush residual spill with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Use personal protective protection recommended in Section 8. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Use only with adequate ventilation. Empty container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Not following storage conditions could affect the product's performance. Store locked up.

Packaging materials Keep in original container.

Incompatible materials Acids, aluminum, fluorine, molten lithium

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

Appropriate engineering controls Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

Individual protection measures, such as personal protective equipment

Eye / face protection Use chemical safety goggles and/or full-face shielding where dusting is possible..

Skin and body protection Body-covering protective clothing and gloves are 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.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Powder	Odor	None
Appearance	Granules	Odor threshold	Not determined
Color	White		

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal temperature and pressures.

Chemical stability Stable under recommended storage conditions

Possibility of hazardous reactions None under normal processing

Conditions to avoid Exposure to air or moisture over prolonged periods.

Incompatible materials Sodium metasilicate: Can generate heat when mixed with acids. When wet avoid prolonged contact with alkali sensitive metals such as: aluminum, brass, bronze, copper, lead, tin, zinc because flammable hydrogen gas can be generated.

Hazardous decomposition products Sodium oxides. Carbon oxides (COx).

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposures

Product information

Inhalation May cause irritation to the mucous membranes and upper respiratory tract.

Eye contact Causes severe eye damage.

Skin contact Causes severe skin burns.
Ingestion Harmful if swallowed

Component information

Chemical Name	ORAL LD50	DERMAL LD50	INHALATION LC50
Sodium carbonate 497-19-8	2,800 mg/kg (rat)	> 2,000 mg/kg (rabbit)	-
Sodium metasilicate 6834-92-0	1,280 mg/kg (rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms See Section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classified as a carcinogen by NTP, IARC or OSHA.
Mutagenicity No information available.
STOT – single exposure Sodium metasilicate: May cause respiratory irritation. May cause drowsiness or dizziness.

12. ECOLOGICAL INFORMATION

Ecotoxicity
 Aquatic toxicity: This material has exhibited moderate toxicity to aquatic organisms.

Persistence and degradability Biodegradability does not pertain to inorganic substances.
Bioaccumulation Not determined
Mobility Not determined
Other adverse effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal of wastes Reuse or recycle if possible. May be subject to disposal regulations. Dispose in accordance with all applicable regulations.
Contaminated Packaging Disposal should be in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT

UN / ID No	UN3262
Proper shipping name	Corrosive solid, basic, inorganic, n.o.s (Sodium metasilicate, anhydrous / Sodium carbonate solution)
Hazard Class	8
Packing Group	II

IATA

UN / ID No	UN3262
Proper shipping name	Corrosive solid, basic, inorganic, n.o.s (Sodium metasilicate, anhydrous / Sodium carbonate solution)
Hazard Class	8
Packing Group	II

IMDG

UN / ID No	UN3262
Proper shipping name	Corrosive solid, basic, inorganic, n.o.s (Sodium metasilicate, anhydrous / Sodium carbonate solution)
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

SARA 311/312 Hazard Categories Acute health hazard

SARA 313 Not regulated

U.S. State Regulations

California Proposition 65 This product and its ingredients are not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

International Inventories

TSCA Listed United States Toxic Substances Control Act, Section 8(b) Inventory

DSL Listed Canadian Domestic Substances List

16. OTHER INFORMATION

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet