



MATERIAL SAFETY DATA SHEET

HMIS:

Health- 1 Flammability- 2 Reactivity- 0 Pers.

Protection- N

WHMIS: D 2 B

NFPA:

Health- 1 Flammability- 2 Reactivity- 0 Special Hazard-

N

Section 1: Product and Company Identification

Product: Chlorinated Nilogel

Synonyms: Nilogel, Chlorinated

NILODOR, INC.

10966 INDUSTRIAL PARKWAY NW

BOLIVAR, OHIO 44612, USA

Non-Emergency:

US 800-443-4321

24 hr Emergency Spill Information:

Chem-Tel, Inc.

International 010-330-874-1017

US, Canada: 800-255-3924. International:

1-813-248-0584

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Yellowish powder

Classified as hazardous by the criteria of NOHSC.

WARNING

Flammability : Not classified as flammable

Health Hazards Listed : R 36: Irritating to eyes. (No R code listed): contact with alkaline materials can liberate toxic gas

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Likely Routes of Exposure: Not applicable

Eye: Direct exposure can irritate

Skin: Prolonged or repeated exposure can irritate

Ingestion: Can irritate digestive tract

Inhalation: Not applicable

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Starch	9005-25-8	10 - 30	N

Calcium Hypochlorite	7778-54-3	0.5 - 1.5	N
Methyl Salicylate	119-36-8	0.1 - 1.0	Y
Cinnamaldehyde	104-55-2	0.1 - 1.0	Y
Sodium Polyacrylate	9003-04-7	40 - 70	N

Section 4. First Aid Measures

Eye Contact:	Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove to fresh air.
Ingestion:	Do NOT induce vomiting. If conscious, give milk or water to drink.
Note to Physicians:	Contact with alkaline liquids can liberate chlorine.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Water, foam, dry chemical
Unsuitable Extinguishing Media:	None known
Products of Combustion:	Oxides of carbon and nitrogen, possible chlorine, hydrogen chloride, chlorine oxides
Protection of Firefighters:	If large amounts of product involved, self-contained breathing apparatus

Section 6. Accidental Release Measures

Personal Precautions:	Avoid skin and eye contact.
Environmental Precautions:	Keep out of surface waters
Methods for Containment:	Surround with sand, clay or other material.
Methods for Clean-Up:	Sweep, scoop or shovel up for disposal.
Other Information:	Exposure to acids can liberate chlorine gas

Section 7. Handling and Storage

HANDLING

Keep dry.

STORAGE

Keep out of reach of children. Keep in original container at ambient temperatures (below 50°C/122°F)

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Starch	Not applicable	Not applicable
Calcium Hypochlorite	None established	850 mg/kg
Methyl Salicylate	None established	887 mg/kg
Cinnamaldehyde	None established	2220 mg/kg
Sodium Polyacrylate	None established	Not determined

Engineering Controls: Not normally necessary

Eye/Face Protection: Protective goggles if handling large quantities

Skin Protection: Rubber or other protective gloves if handling large quantities

Respiratory Protection: Not normally necessary, but see section 10

General Hygiene Considerations: Reasonable care. Keep away from food and beverages

Section 9. Physical and Chemical Properties

Color: Yellowish white	Odor: Spicy
Physical State: Powder	Odor Treshhold:

pH: Not applicable	Freezing Point: Not applicable
Evaporation Rate: Not applicable	Boiling Point: Not applicable
Flash Point: Not applicable	Flammability(solid,gas): Will burn if ignited, but not classified as a flammable solid
Upper Flammability Limit: Not determined	Lower Flammability Limit: Not determined
Vapor Pressure: Less than 0.01 torr at 20°C	Specific Gravity: Not applicable.
Vapor Density: Not applicable	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight:	Solubility (water): Absorbs up to 100 times its own mass of water. Larger amounts of water form flushable slurries
Less than 5%, all fragrance	Percent Volatile: Less than 5%, all fragrance

Section 10. Stability and Reactivity

Stability: Stable under normal conditions
Conditions to Avoid: Exposure to alkaline materials
Incompatible Materials: Alkaline materials
Hazardous Decomposition Products: Chlorine gas on contact with alkaline materials
Possibility of Hazardous Reactions: See above

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not evaluated as a mixture. Weighted average more than 1200 mg/kg.
Dermal LD50: Not evaluated as a mixture. Weighted average more than 2000 mg/kg.
Inhalation: Not evaluated as a mixture. Weighted average more than 3 milligrams per liter.
Eye Irritation: Direct contact is irritating
Skin Irritation: Prolonged contact can irritate
Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known
Mutagenicity: None known
Reproductive Effects: None known
Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: Not applicable
Persistence/Degradability: Mostly biodegradable
Bioaccumulation/Accumulation: Not applicable
Mobility in Environment: Not applicable

Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State or Provincial and Local regulations

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: Not a Hazardous Material
CANADA TDG (ground)
Proper Shipping Description: Not a Dangerous Good
ICAO (air)
Proper Shipping Description: Not a Dangerous Good

IMDG (water)

Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No SARA 313 chemicals present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

No Proposition 65 substances present

WHMIS: Canadian Workplace Hazardous Material Information System

D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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