





### MATERIAL SAFETY DATA SHEET

HMIS: NFPA:

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

Protection- N N

WHMIS: D 2 B

Section 1: Product and Company Identification

Product: Chlorinated Nilogel Synonyms: Nilogel, Chlorinated

NILODOR, INC.

10966 INDUSTRIAL PARKWAY NW

BOLIVAR, OHIO 44612, USA

Non-Emergency: 24 hr Emergency Spill Information:

US 800-443-4321 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

WHMIS
Component CAS# % by Weight 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
Calcium Hypochlorite
None established
Methyl Salicylate
None established
None established
None established
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

Solubility (water): Absorbs up to 100 times its own

Volatile Organic Compound (VOC), % weight: 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

Incompatable 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 pf 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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