



SAFETY DATA SHEET

HMIS:

Health- 2 Flammability- 0 Reactivity- 0 Pers.
Protection- B

NFPA:

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

WHMIS: D 2 B

Section 1: Product and Company Identification

Product: Plant Detergent

Synonyms:

HOSPECO

10966 INDUSTRIAL PARKWAY NW
BOLIVAR, OHIO 44612, USA

Non-Emergency:

US 800-443-4321

24 hr Emergency Spill Information:

Chem-Tel, Inc.

International +01-330-874-1017

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

+01-813-248-0585

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: White/pale yellow powder, citrus aroma



WARNING

Flammability :

Not classified as flammable

Health Hazards Listed : R 36: Irritating to eyes. Respiratory irritant

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Risk Phrases:

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases:

S2 - Keep out of the reach of children

S7 - Keep container tightly closed

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Hazard Phrases:

H303 - May be harmful if swallowed

H335 - May cause respiratory irritation

H315 - Causes skin irritation

Precautionary Phrases:

P202 - Do not handle until all safety precautions have been read and understood.

P233 - Keep container tightly closed.

P280 - Wash thoroughly after handling.

Likely Routes of Exposure: Eyes, mouth

Eye: Direct exposure can irritate
 Skin: Prolonged or repeated exposure can irritate
 Ingestion: Can cause digestive distress
 Inhalation: Dust can irritate

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.

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

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Sodium Metasilicate	6834-92-0	5-10	Y
Sodium Carbonate	497-19-8	40 - 60	Y
Sodium Borate	1303-96-4	7 - 13	Y

Section 4. First Aid Measures

Eye Contact: Flush eye with copious amounts of clean water, holding lids open. If irritation persists get medical attention.
 Skin Contact: Wash with soap and water.
 Inhalation: Remove to fresh air.
 Ingestion: If conscious, give water or milk to drink. **DO NOT INDUCE VOMITING.**
 Note to Physicians: Product dissolves in water to form alkaline solution. Prolonged contact can severely irritate eyes and respiratory tract and can dry or irritate skin.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, carbon dioxide, dry chemical.
 Unsuitable Extinguishing Media: None known.
 Products of Combustion: Oxides of carbon, boron, nitrogen.
 Protection of Firefighters: Self-contained breathing apparatus if large quantities are involved.

Section 6. Accidental Release Measures

Personal Precautions: Keep away from eyes and mouth. Avoid breathing dust.
 Environmental Precautions: Keep out of surface waters and sanitary sewers.
 Methods for Containment: Powder, not applicable. Solutions: dike area with sand, clay or other suitable material.
 Methods for Clean-Up: Sweep, shovel or scoop up powder for disposal. Absorb solutions on sand, clay or other suitable material or mop up with water.

Other Information:

Section 7. Handling and Storage

HANDLING

Do not open until ready to use.

STORAGE

Keep out of the reach of children. Store in original container at ambient conditions.

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Sodium Metasilicate	Dust 10 mg/cubic meter	> 1500 mg/kg
Sodium Carbonate	Dust 10 mg/cubic meter	4090 mg/kg
Sodium Borate	5 mg/cubic meter	>4500 mg/kg

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: Dust mask or particulates respirator recommended.

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

Section 9. Physical and Chemical Properties

Color: White to pale yellow	Odor: Mild citrus
Physical State: Powder	Odor Treshhold:
pH: 8.5 - 10.5, 0.1% solution	Freezing Point: Not applicable
Evaporation Rate: Not applicable	Boiling Point: Not applicable
Flash Point: Not applicable	Flammability(solid,gas): Non-flammable
Upper Flammability Limit: Not applicable	Lower Flammabilty Limit: Not applicable
Vapor Pressure: Not determined	Specific Gravity: Bulk density more than 0.65 g/mL, tapped
Vapor Density: Not determined	Auto-ignition Temperature: Not applicable
Volatile Organic Compound (VOC),%weight: 0.1%	Solubility (water): Minimum 0.35 % Percent Volatile: Less than 20% including water of crystallization

Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: High temperatures

Incompatable Materials: Strong acids

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: Very improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50:	Not determined for mixture. Weighted average more than 2900 mg/kg
Dermal LD50:	Weighted average more than 1000 mg/kg.
Inhalation:	Low volatility. Weighted average as dusts more than 2.5 milligrams per Liter.
Eye Irritation:	Direct contact can be severely irritating
Skin Irritation:	Prolonged or repeated contact can dry or irritate skin.
Sensitization:	None known

CHRONIC EFFECTS

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

Section 12. Ecological Information

Ecotoxicity: Not determined.
Persistence/Degradability: Biodegradable.
Bioaccumulation/Accumulation: Not determined.
Mobility in Environment: Not determined.

Section 13. Disposal Considerations

Disposal: Dispose according to 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 : Does not contain any SARA 313 substances

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

Does not contain any Proposition 65 substances

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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