

SAFETY DATA SHEET (SDS)

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SECTION 1: IDENTIFICATION

Trade Name:	Penta-900
Manufacturer:	Penta-900, Inc. 2500 Chandler Las Vegas, NV 89120
Distributor:	Penta-900, Inc. Las Vegas NV 89102 USA
Phone:	1 (702) 850-2032
Fax:	1 (702)-946-0795
Emergency Phone:	Penta-900, Inc.(Mon – Fri 9am – 5pm PST): 1 (702) 850-2032 Medical: Poison Control Centre (24hrs) 1 (800) 222-1222
Product Name:	Penta900
Product Synonym(s):	N/A
Chemical Family:	N/A
Chemical Formula:	N/A
Chemical Name:	N/A
EPA Reg. Number	Exempted from federal registration under Section 25(b) of the FIFRA Act
Product Use:	Mold inhibitor

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview	Gold color liquid with peppermint odor. HANDLE IN ACCORDANCE WITH PROPER INDUSTRIAL HYGIENE AND SAFETY PRACTICES.
Potential Health Effects	Inhalation, ingestion, eye and skin contact are expected to be the primary routes of occupational exposure to this material.
Health Effects: Eye	Causes mild irritation to the eyes.
Health Effects: Skin	Causes slight irritation to the skin.
Health Effects: Ingestion	May cause irritation to the mouth, esophagus, and stomach.
Health Effects: Inhalation	Dust is irritating to respiratory tract.
Aggravation of Pre-existing Conditions:	Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the product.
Chronic hazards:	No known chronic hazards.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Typical Wt %</u>	<u>OSHA</u>
Aluminium Potassium Sodium Silicate	12736-96-8		No
Sodium Humate	68131-04-4		No
Humic Acid	1415-93-6		No
Isopropyl Alcohol	67-63-0		No
Water	7732-18-5		No

SECTION 4: FIRST AID MEASURES

Eyes:	In case of contact, check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Cold water may be used. Get medical attention.
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.
Ingestion:	If swallowed, DO NOT induce vomiting. Get medical attention.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention.
Chronic:	Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis.
Notes to Physician:	Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature:	N/A
Flash Point:	N/A
Flammable Limits:	0
Reactivity:	1
Extinguishing Media:	Wash off with soap and water
Fire Fighting Instructions:	Product is non-flammable
Fire and Explosion Hazards:	N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment to include safety glasses and chemical goggles or face shield, appropriate gloves to prevent skin exposure, appropriate clothing to prevent skin exposure, and OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Spills: Use appropriate tools to put any spilled solid in a convenient waste disposal container. Rinse area with soap and water and wipe clean. Dispose of according to local and regional authority requirements. Consult a regulatory specialist for any specific questions.

Caution: Floor and other surfaces may be slippery.

SECTION 7: HANDLING & STORAGE

Handling:	Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, on skin, or on clothing. Do not ingest or inhale. Keep container closed. Promptly clean up spills.
Storage:	Store in a cool, dry, well-ventilated area away from incompatible substances in a tightly closed container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use adequate general or local exhaust ventilation. Keep containers closed. Safety shower and eyewash fountain should be within close access.
Eye / Face Protection:	Wear safety glasses, and or face shield.
Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection:	Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149, when necessary. Please refer to the ACGIH document, <i>Industrial Ventilation, A Manual of Recommended Practices</i> , most recent edition, for details.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Gold liquid
Odor:	Peppermint
pH:	12.9
Specific Gravity (water = 1):	1.012
Boiling Point:	100°C / 212°F
Melting Point:	N/A
Freezing Point:	-2°C / 28.4°F
Evaporation Rate:	N/A
Vapor Pressure (mm Hg@20°C):	N/A
Vapor Density (air = 1):	N/A
Solubility in Water (by weight %):	100%
Percent Solids:	14,700 ppm
TDS:	100:1 = 250 to 350 ppm

SECTION 10: STABILITY & REACTIVITY

Stability: This material is chemically stable under normal handling condition of use and storage.

Conditions to Avoid: None

Materials to Avoid: May be incompatible or reactive with ammonium salt solutions that may result in ammonia gas. Generates heat when mixed with acid. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.

Incompatibility: May be incompatible or reactive with oxidizing agents, fluorine, acids, mineral acids, chlorine dioxide, nitrobenzene, nitromethane, nitrogen trichloride, peroxidized tetrahydrofuran, 2, 4, 6-trinitrotoluene, bromoform plus (+) crown ethers, alcohols, sugars, germanium cyclopentadiene, maleic dicarbide. May be corrosive to metals such as aluminum, tin, and zinc to cause formation of flammable hydrogen gas. May produce hydrogen gas on prolonged contact with metals; gels when mixed with acids.

Hazardous Decomposition Products: Oxides of potassium.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Data: May cause mild irritation to the eyes and slight irritation to the skin, particularly in areas where there is contact and abrasion.

Effects of Chronic Exposure Data: No data available.

Exposure Limits: None established.

Sensitization to Product: None established.

Epidemiology: No data available.

Carcinogenicity: CAS# 13010-58-3 is not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. CAS# 1344-09-8 is not listed by NTP, IARC, or OSHA as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information: No data is available.

Chemical Fate Information: No data is available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Disposed material is not a hazardous waste.

Disposal Method: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

DOT UN Status: This product is not regulated hazardous material for transportation.

SECTION 15: REGULATORY INFORMATION

TSCA: CAS# 1310-58-3 and CAS# 1344-09-8 are listed on TSCA inventory. None of the chemicals in CAS# 1310-58-3 are under TSCA Section 12b. None of the chemicals in CAS# 1319-58-3 have a SNUR under TSCA.

FDA: The use of sodium silicate is authorized by FDA as a boiler water additive for the production of steam that will contact food pursuant to 21 CFR 173.310; as a compound of zinc-silicon dioxide matrix coatings on food contact surfaces pursuant to 21 CFR 175.390.2; as a GRAS substance when migrating from cotton fabric used in dry food packaging pursuant to 21 CFR 182.70; and as a GRAS substance when migrating to food from paper and paperboard products pursuant to 21 CFR 182.90.

SARA: Section 302 (RQ): None of the chemicals in CAS# 1344-09-8 have a RQ. CAS# 1310-5803: final RQ = 1000 pounds (454 kg).
Section 302 (TPQ): None of the chemicals in CAS# 1310-58-3 or CAS# 1344-09-8 have a TPQ.

Chemical Test: None of the chemicals in CAS# 1310-58-3 or CAS# 1344-09-8 are under RULES: Chemical Test Rules.

CERCLA: No CERCLA Reportable Quantity has been established for CAS# 1310-58-3 or CAS# 1344-09-8

SECTION 16: OTHER INFORMATION

Date prepared: 09-March-2015

Key

N = No, negative, none

N/A = Not applicable

Ppm = Parts per million

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