

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

Eddystone Industrial Park
2000 Industrial Highway
Eddystone, PA 19022-1513

Product: **PANGUARD**

Daytime Telephone: (610) 876-9906
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: F2452 - Rev 4.0 Date: 08/96
Replaces - Rev 3.0 11/95
Reason: Format Change

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: PANGUARD
Chemical Name/Synonym: PROPRIETARY BLEND
Chemical Family: ALKALINE COMPOUND - POWDER
Formula: PROPRIETARY
Product Code: F2452

HMIS
Hazard Rating: Legend:
Health: 2 0 - Least
Fire: 0 1 - Slight
Reactivity: 0 2 - Moderate
 3 - High
 4 - Extreme

Product Description: ALKALINE CLEANING COMPOUND

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: N/A Solubility in Water: 50 oz/gal @ 70°F
Vapor Pressure: N/A Specific Gravity: N/A
Vapor Density: N/A % Volatile by Volume: Nil
Appearance: Pale blue powder Odor: Bland
pH (solutions): 12 ± 0.1 @ 2 oz/gal

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
*Sodium metasilicate	6834-95-0	30-50	Not Listed	Not Listed
Inert and/or non-hazardous components	-----	40-50	-----	-----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001%.

*Component exposure limits not established. Assume exposure evaluation of 2 mg/m³ as Ceiling limit based on manufacturer's recommendation. Some other manufacturers recommend 5 mg/m³. Can be a severe skin irritant.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point: N/A (will not support combustion).
Extinguishing Media: Small Fire: CO₂, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability: Stable.
Incompatibility: Strong oxidizers and reducing agents.
Hazardous Decomposition Products: Carbon monoxide may form upon thermal degradation.
Hazardous Polymerization: Will not occur.

- Continued on following page -

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-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT: May cause irritation. Severe irritation or chemical burn may occur if not irrigated immediately.
SKIN CONTACT: Prolonged contact may cause dryness and dry skin irritation.
INHALATION: Breathing of airborne dust or mist may cause burns of respiratory tract.
INGESTION: May cause burns in digestive tract.
EFFECTS OF OVEREXPOSURE: None currently known.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.
SKIN: Flush with water; wash with soap and water after handling.
INHALATION: Remove to fresh air.
INGESTION: DO NOT INDUCE VOMITING - Seek medical attention. Never give anything by mouth to an unconscious person

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION: None normally required; product normally does not produce vapors or mist.
RESPIRATORY PROTECTION: None normally required; NIOSH approved respirator for mist conditions.
PROTECTIVE CLOTHING: Chemical resistant gloves when mixing or handling.
EYE PROTECTION: Tight fitting or chemical workers goggles when preparing solutions or if splashing is anticipated.

-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe dust or solution mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Empty Containers: Do not reuse empty containers for storage of foodstuffs.

D.O.T.: Shipping Classification: Alkaline Cleaning Powder, Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for sodium metasilicate as a component of this material): A) Sections 311/312 - Acute; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.

CERCLA Information (for the sodium metasilicate component): Not Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs. As D002 waste, sodium metasilicate has an RQ of 100 lbs.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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