



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Elko Products Company Inc.
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Richmond, VA 23225
Inquiry Phone: (800) 331-4273
Emergency Phone: (800) 535-5053
Date Prepared: 09/30/05

PRODUCT NAME: ELKO® GUTTAWASH™
PRODUCT CODE: 12016 (qt) / 12128 (gal)

NFPA hazard codes: NFPA acute hazard rating:
0 = Least 3 = High Health: 2
1 = Slight 4 = Extreme Flammability: 0
2 = Moderate Reactivity: 1

SECTION 2: CHEMICAL COMPOSITION

Note: List all CERCLA hazardous substances at 1% or greater and CARCINOGENS at 0.1% or greater.

INGREDIENT (chemical name)	CAS#	% Range	TLV/PEL	TWA	STEL/Ceiling
<u>Skin</u>					
Sodium Metasilicate	6834-92-0	< 3	N/A	N/A	N/A
2-Butoxyethanol	111-76-2	< 3	50 ppm	25 ppm	50 ppm
Sodium Ethylenediamina Tetraacetate	64-02-8	< 3	N/A	N/A	N/A
Nonylphenol ethoxylate	9016-45-9	< 3	N/A	N/A	N/A

* OSHA requires skin protection to prevent or reduce exposure to this product.

SECTION 3: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. **SKIN CONTACT:** Immediately flush exposed area with water for at least 15 minutes. If irritation occurs, get medical attention. **INHALATION:** Remove individual to fresh air. If symptoms persist, get immediate medical attention. **INGESTION:** Do not induce vomiting. Dilute by giving water and fruit juice. Get immediate medical attention.

NOTE TO PHYSICIAN: Contains Sodium Metasilicate and 2-Butoxyethanol.

SECTION 4: PHYSIOLOGICAL EFFECTS

PRIMARY ROUTE(S) OF ENTRY INTO BODY: Skin contact, ingestion.

ACCUTE EFFECTS: Eyes: Redness, watering. Skin: Redness, irritation. Inhalation: Irritation, coughing. Ingestion: Burning sensation, nausea.

CHRONIC EFFECTS: Causes liver and kidney damage.

SECTION 5: OCCUPATION CONTROL PROCEDURES

VENTILATION: Local exhaust.

PERSONAL PROTECTION:

Respirator type: None required if concentration is below TLV/PEL. Otherwise use NIOSH approved CCROV or better respirator.

Gloves: Chemical resistant gloves required.

Eye protection: Chemical splash goggles.

SECTION 6: PHYSICAL DATA

Appearance/odor: Clear green / butyl
Physical state: Liquid
Boiling Point: 212°F
Freeze Point: 30°F
Specific Gravity: 1.025

pH concentrate: 12.9
1% pH dilution: 11.4
Solubility in water: Complete
Vapor pressure: 17mmHg
Vapor density (air = 1): >1
Evaporation rate (water = 1): >1



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SECTION 7: FIRE AND EXPLOSION DATA

Flash point: None.
Method: T.C.C.
Flammable (explosive) limits in air: N/A.
Suitable extinguishing media: Water / foam.
Hazardous combustion bi-products: Carbon Monoxide.
Recommended fire fighting procedures: Firefighters should wear waterproof protective clothing.
Unusual fire & explosive hazards: None.

SECTION 8: REACTIVITY DATA

Stability: Stable.
Conditions to avoid: N/A
Hazardous decomposition products: None.
Hazardous polymerization: Will not occur.
Incompatibility:
Material to avoid: Strong acids.
Corrosive action on material: None.

SECTION 9: STORAGE & HANDLING PRECAUTIONS

Storage: Store at temperatures below 120°F. Do not allow to freeze.
Handling: Wear proper gloves, boots, eye and face protection when handling.
Precautionary labeling: None.

SECTION 10: ENVIRONMENTAL INFORMATION

Spill or leak procedures:
Small spill / leak: Neutralize with vinegar or citric acid.
Large spill / leak: Mop up excess. Neutralize with vinegar or citric acid. Collect solution in containers for disposal.
Spill reportable quantity: N/A.
Waste disposal method: Consign to waste facility approved by federal, state and local regulations.
RCRA or appropriate waste classification: N/A.
Procedures for handling empty containers: Triple rinse.
Environmental toxicity data: Biodegradable.
Other regulatory controls:
Is material classified under the CLEAN WATER ACT (USA) or appropriate water regulations as:
Toxic pollutant: NO
Hazardous substance (SECTION 302)? NO
If yes, reportable quantity (R.Q.): N/A.
Is material classified under the CLEAN AIR ACT (USA) or appropriate CLEAN AIR regulations as:
Hazardous air pollutant (SECTION 12)? NO

SECTION 11: PRODUCT IDENTIFICATION

Indicate country / regulatory agency which specifies requirements: USA-DOT / IMO (not registered)

Proper shipping name: COMPOUND, CLEANING, LIQUID

Hazard class: N/A

Identification number: N/A

Packing Group: N/A

Labels required: Product

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PREPARED: 9/30/05