

SAFETY DATA SHEET
GF-526

SECTION 1: Identification

Product Name: GF-526

Recommended Use: Cleaning Compound

Manufacturer: Precision Finishing Inc.
1800 AM Drive
Quakertown, PA 18951

Telephone Numbers: Customer Service: (215) 257-6862
Emergency:
CHEMTREC (U.S.A.): (800) 424-9300 (24 hours)
CHEMTREC (International): (202) 483-7616 (24 hours, call collect)

SECTION 2: Hazards identification

GHS CLASSIFICATION:

Acute Toxicity, Oral Category 4
Skin corrosion Category 1A
Serious eye damage Category 1
Acute aquatic toxicity Category 3

SIGNAL WORD:

DANGER!

GHS LABEL



Hazard Statements

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H402 Harmful to aquatic life.

Precautionary Statements

P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

- P363 Wash contaminated clothing before reuse.
 P390 Absorb spillage to prevent material damage.
 P405 Store locked up.

SECTION 3: Composition/information on ingredients

Component Name	CAS #	%
Water	7732-18-5	50-80
Potassium Hydroxide	1310-58-3	5-20
Potassium Silicate	1312-76-1	5-10
Surfactant Blend	Proprietary	1-10
Corrosion Inhibitors	Proprietary	1-5

SECTION 4: First Aid Measures

- Contact with Eyes:** Flush with Water for 15 min. Seek immediate medical attention.
- Skin Contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritation persists, seek immediate medical attention.
- Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
- Ingestion:** Give large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

SECTION 5: Firefighting measures

- Suitable Extinguishing media:** Water fog, foam, CO2, dry chemical.
- Special Fire Fighting Procedures:** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Exercise caution when fighting any chemical fire
- Unusual Fire Fighting Hazards:** Material will not burn unless preheated.

SECTION 6: Accidental release measures

- Personal Precautions:** Evacuate all unprotected personnel from the area.
- Environmental Precautions:** Contain spill if it can be done with minimal risk.
- Methods for Cleaning up:** Surfaces will be slippery. Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container. Dispose of according to local and regional authority requirements.

SECTION 7: Handling and Storage

- Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.
- Handling and Storage:** If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

SECTION 8: Precautions to Control Exposure / Personal Protection

Exposure Limits:

Name	CAS No.	OSHA PEL	ACGIH TLV
Potassium Hydroxide	1310-58-3	Not Established	TLV = 2mg/m3
Potassium Silicate	1312-76-1	Not Established	Not Established
Corrosion Inhibitors	Proprietary	Not Established	Not Established

Surfactant Blend	Proprietary	Not Established	Not Established
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Engineering Controls: Where possible, provide general mechanical and/or local exhaust ventilation to prevent release of airborne dust into the work environment and to reduce vapor or mist to below the PEL or TLV. Eye wash facility should be provided in storage and general work area.

Personal Protective Equipment (PPE)

Eye Protection: Approved OSHA safety glasses or goggles.

Skin Protection: Wear protective gloves.

Respiratory Protection: In case of inadequate ventilation wear respiratory protection.

Personal Hygiene: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Property	Description
Appearance	Clear liquid
Odor	Mild odor
pH @ 25 C	13.5
Melting/Freezing Point	32° F
Boiling Point	
Flash Point	>212° F
Specific Gravity	1.1
Solubility	100% in Water
VOC Content	
Evaporation Point	

SECTION 10: Stability and reactivity

Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid: Strong Oxidizing agents

Hazardous Decomposition/Byproducts: Elemental Oxides, CO, CO₂, and unidentified organic compounds may form during combustion.

Hazardous Polymerization: Will not occur

Polymerization Conditions to Avoid: None

SECTION 11: Toxicological information

Likely Route of Exposure: Contact and Inhalation; ingestion possible.

Inhalation: Low to moderate degree of toxicity by inhalation.

Eye Contact: Slight to moderate irritant effect on the eyes.

Skin Contact: Contact may cause mild skin irritation including redness, burning, and drying/cracking of the skin. No harmful effects from skin adsorption are expected.

Ingestion: Not classified

Toxicity: Not classified

Reproductive Effects: Not classified

Embryotoxicity: Not classified

Carcinogenicity: Not classified

Teratogenicity: Not classified

Mutagenicity: Not classified

Synergistic Products: Not classified

SECTION 12: Ecological information**EcoToxicity:**

Potassium Hydroxide: Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 hr

Persistence and Degradability: Not established

Bioaccumulative Potential: Not established

Mobility in Soil: Not established

Other Information: Avoid release to the environment

SECTION 13: Disposal considerations

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Ecology - waste materials: Avoid release to the environment.

14: Transport information**U.S. DOT 49 CFR 172.101:**

PROPER SHIPPING NAME: Potassium hydroxide, solution

UN NUMBER: UN1814

HAZARD CLASS/ DIVISION: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

SHIPPING NAME: Potassium hydroxide, solution

UN NUMBER: UN1814

CLASS OR DIVISION: 8

PACKING/RISK GROUP: II

SECTION 15: Regulatory Information

TSCA STATUS: Components of this product are listed on the United States TSCA (Toxic Substances Control Act) inventory.

SARA Title III Section 302/304 Hazard Categorization:

No Chemicals in this Material are subject to the reporting requirements.

SARA Title III Section 311/312 Hazard Categorization:

Acute	Chronic	Fire	Pressure	Reactivity
X				

CERCLA Section 102 (a) Hazardous Substance:

No Chemicals in this material are subject to the reporting requirement.

SECTION 16: Other information**HMIS Rating**

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0