

SAFETY DATA SHEET

SUB-LIME

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

MANUFACTURER: Griffin Bros. Inc.
P.O. Box 7719
Salem, OR 97303

INFORMATION PHONE: (800) 456-4743

For Medical and Chemical Emergencies CHEMTREC: 1-800-424-9300

PRODUCT NAME: SUB-LIME

PRODUCT NUMBER: G-186

DATE PREPARED: 07/12/2001

LAST REVISION: 05/14/2015

USES: Removes lime and hard water film and helps remove iron and rust stains.

RESTRICTIONS: Do not mix with other chemicals.

PURE: LIQUID:

MIXTURE: SOLID:

2. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW: CORROSIVE!

GHS CLASSIFICATION: Corrosive to Metals (Category 1) Skin: (Category 1B) Eyes: (Category 1)

GHS Label elements, including precautionary statements

SIGNAL WORD: Danger **PICTOGRAM:**



HAZARD STATEMENT(S):

H290: May be corrosive to metals

H314: Causes severe skin burns and eye damage

PRECAUTIONARY STATEMENT(S):

P264: Wash skin thoroughly after using.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection

P301+P330+P331 IF SWALLOWED: Rinse Mouth. Do Not induce vomiting.

P303+P361+P353 IF ON SKIN (or Hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/ physician.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Range Wt
PHOSPHORIC ACID	7664-38-2	12 – 16 %
HYDROXYACETIC ACID	79-14-1	3 – 7%

Remainder of ingredients is proprietary information & water

4. FIRST AID MEASURES:

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Give victim lots of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing eye, skin or respiratory conditions.

SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use water spray. Alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and a NIOSH-approved self-contained breathing apparatus with full face piece operated in a pressure positive mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

COMBUSTION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Do not walk through any spills without wearing proper safety attire. High risk of slipping due to leakage/spillage of product. Small spills: Mop up, wipe up or soak up immediately. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Or soak up with inert material and shovel into poly drums for disposal.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Protect from freezing. Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Wear personal protection as required per safety program. Follow all SDS/label precautions even after container is emptied because it may retain product residues

OTHER PRECAUTIONS: For industrial use only. Keep away from children. Keep containers closed while not in use. Personnel should be thoroughly trained in safety

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

Chemical Name	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
PHOSPHORIC ACID	1mg/M3	300ppm	1mg/m3	3 mg/M3
HYDROXYACETIC ACID	25mg/m3		25mg/m3	

procedures before using this product.**PERSONAL PROTECTIVE EQUIPMENT****RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.**PROTECTIVE GLOVES:** Rubber or other impervious material with gauntlets.**VENTILATION:** Local exhaust sufficient to keep exposure below TLV.**WORK / HYGENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.**EYE PROTECTION:** Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.**EXPOSURE GUIDELINES:** N/A**OTHER PROTECTIVE EQUIP:** Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.**9. PHYSICAL AND CHEMICAL PROPERTIES:****INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

a) Appearance: Translucent White Liquid	k) Vapor pressure (mm/hg): 4mm/hg
b) Odor: Cherry Odor	l) Vapor density (Air = 1): No data available
d) pH: 0 - 1.0	m) Relative density (Specific Gravity): 1.1
e) Melting point/freezing point: No data available	n) Water solubility: 100% Complete
f) Initial boiling point and boiling range: 220°F	p) Auto-ignition temperature: n/a
g) Flash point: n/a Method Used: n/a	r) Viscosity: n/a
h) Evaporation rate: No data available	-) Pounds Per Gallon: 9.17
j) Upper/lower flammability or explosive limits: UEL: n/a LEL: n/a	OTHER: No other data is available for this product. . . .

10. STABILITY AND REACTIVITY:**STABLE:** Stable**INCOMPATIBILITY:** Strong Basic and Strong Oxidizing Compounds, Common metals.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:****HAZARDOUS POLYMERIZATION:** Will Not Occur**CONDITIONS TO AVOID:** None**11. TOXICOLOGICAL INFORMATION:** None of the components of this product are listed as carcinogens. No other data available.**12. ECOLOGICAL INFORMATION:** N/A**13. DISPOSAL CONSIDERATIONS:** Dilute with large amounts of water and dispose to municipal or industrial waste treatment facility in accordance With Local, State and Federal Regulations.**14. TRANSPORT INFORMATION:**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	3264	Corrosive Liquids, Acidic, Inorganic, n.o.s. (Phosphoric Acid)	8	III

GUIDE NUMBER: 154**15. REGULATORY INFORMATION:** N/A**16. OTHER INFORMATION:**

HMS INFORMATION:	HEALTH: 2	FLAMMABILITY: 0	PHYSICAL HAZARD: 0	PROTECTIVE: B
NFPA INFORMATION:	TOXICITY: 2	FIRE: 0	REACTIVITY: 0	SPECIAL: -

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