

STEP 2

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Griffin Bros. Inc.
4455 Marion St SE
Albany, OR 97322

INFORMATION PHONE: 541-926-2918

FOR MEDICAL & CHEMICAL EMERGENCIES: Chemtrec: 1-800-424-9300

PRODUCT NAME: Step 1

PRODUCT NUMBER: [REDACTED]

DATE PREPARED: 6/12/2007

DATE REVISED: 6/12/2007

Uses:	Metal cleaner/brightener Heavy duty truck wash
Restrictions:	Do not use on glass, etching & frosting will occur

PURE:	LIQUID:	X
MIXTURE:	X	SOLID:

2. HAZARDOUS INFORMATION:

EMERGENCY OVERVIEW: Corrosive / Toxic

GHS CLASSIFICATION:

Corrosive to Metals:	Category 1
Skin:	Category 1
Eyes:	Category 1
Acute Toxicity Oral:	Category 4

GHS Label elements, including precautionary statements

SIGNAL WORD: Danger

PICTOGRAM(S):



HAZARD STATEMENTS:

H290: May be harmful to metals
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H332: Harmful if inhaled

PRECAUTIONARY STATEMENTS:

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 position comfortable for breathing.

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

P333+P313 IF SKIN: irritation or rash occurs: Get medical advice/attention.

P337+P313: IF eye irritation persists: Get medical advice/attention.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Vapors, liquid and mists are extremely corrosive to the eyes. Brief contact of the liquid or mists will severely damage the eyes and prolonged contact may cause permanent eye injury which may be followed by blindness.

INHALATION: Vapors, liquid and mists are extremely corrosive to the nose, throat and mucus membranes. Bronchitis, chemical pneumonitis may occur. Irritation, coughing, chest pain and difficulty in breathing may occur with brief exposure, while prolonged exposure may result in more severe irritation and tissue damage. Breathing high concentrations may result in death.

INGESTION: Vapors, liquid and mists are extremely corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting and collapse. Swallowing large quantities can cause death.

SKIN CONTACT: Vapors, liquid and mists are extremely corrosive to the skin. Vapors will severely irritate the skin, and liquid and mists will severely burn the skin. Prolonged skin contact will burn or destroy surrounding tissue and death may accompany burns which extend over large portions of the body. A latent period may exist between exposure and sense of irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	CAS #:	Range Wt:
SODIUM HYDROXIDE	1310732	15 - 20%
2-BUTOXY ETHANOL	111762	3 - 7%
ETHANOLAMINE	141435	1 - 4%

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

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 skin or respiratory conditions. Repeated overexposure may cause kidney and liver exposure.

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:

Water fog, dry chemical foam or carbon dioxide. Use extinguishing media appropriate for surrounding fire.

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:

Oxides of Carbon.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED. WEAR FULL PROTECTIVE EQUIPMENT.

Small spills: Mop up, wipe up or soak up immediately. Remove to out of doors.

Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Keep out of water supply.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Protect from freezing. 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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name:

OSHA PEL

ACGIH TLV

ACGIH STEL

SODIUM HYDROXIDE	2mg/M3	2 mg/M3	N/A
2-BUTOXY ETHANOL	50ppm(240mg/M3)(SKIN)	25ppm(121 mg/M3)(SKIN)	N/A
ETHANOLAMINE	3ppm (6mg/M3)	3ppm (7.5 mg/M3)	6 ppm (15mg/M3)

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.

OTHER PROTECTIVE EQUIP: Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Brown Liquid	UEL:	N/A
Odor:	Slight Odor	LEL:	N/A
pH:	14	Vapor pressure (mm/hg):	No data available
Melting/freezing point:	No data available	Vapor density (Air = 1):	No data available
Initial boiling point/range:	217.4F (103C)	Relative density (Specific Gravity):	
Flash point:	N/A	Auto-ignition temperature:	N/A
Evaporation rate:	No data available	Viscosity:	No data available
Water solubility:	1.1	Pounds Per Gallon:	9.2

10. STABILITY AND REACTIVITY

STABLE:	Stable
INCOMPATIBILITY:	Reactive Metals, Strong Acidic and Strong Oxidizing Compounds
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Oxides of Carbon
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None known

11. TOXICOLOGICAL INFORMATION

None of the components of this product are listed as carcinogens. No other data available.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Dilute with large amounts of water and dispose to municipal or industrial waste treatment facility in accordance with applicable regulations.

14. TRANSPORT INFORMATION

REGULATION:	UN No.:	PROPER SHIPPING NAME:	TRANSPORT HAZARD CLASS(ES)	PACKING GROUP:
US DOT	3266	Corrosive Liquids, Basic, Inorganic, n.o.s. (Sodium hydroxide)	8	II

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

HMIS INFORMATION:	HEALTH:	2	FLAMMABILITY:	0	PHYSICAL HAZARD:	0	PROTECTIVE:	X
NFPA INFORMATION:	TOXICITY:	2	FIRE:	0	REACTIVITY:	0	SPECIAL:	C

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