

-HMIS- HEALTH: 2
 FIRE: 0
 REACTIVITY: 1

COMPOUND CLEANING LIQUID, 8, NA1760, PGII
 (PHOSPHORIC ACID SOLUTION)

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
GROEN DELIMER & DESCALER

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name <u>Davis Specialty Chemicals, Inc</u>	Emergency Telephone Number <u>1-800-535-5053</u>
Address (Number, Street, City, State, and ZIP Code) <u>P.O. Box 1080</u>	Telephone Number for Information <u>601-856-5774</u>
<u>Ridgeland, MS 39158</u>	Date Prepared <u>Revised 12/06/07</u>
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<u>Phosphoric Acid CAS# 7664-38-2</u>	<u>1 ppm</u>	<u>----</u>	<u>STEL 3 ppm</u>	<u>< 31%</u>
<u>Citric Acid CAS# 77-92-9</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>< 5%</u>

SARA SECTION 302	SARA SECTION 311/312	SARA SECTION 313
<u>yes</u>	<u>yes</u>	<u>yes</u>

Section III — Physical/Chemical Characteristics

Boiling Point <u>>212°F</u>	Specific Gravity (H ₂ O = 1) <u>1.2</u>
Vapor Pressure (mm Hg)	Melting Point
Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)
Solubility in Water <u>Complete</u>	
Appearance and Odor <u>clear blue-green liquid with mild organic odor.</u>	

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Extinguishing Media <u>As required for surrounding materials</u>			
Special Fire Fighting Procedures <u>None</u>			
Unusual Fire and Explosion Hazards <u>none known</u>			

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Mix only with water.
	Stable	X	

Incompatibility (Materials to Avoid) Reacts with some alkaline materials, and some metals. Do not mix with any chlorinated
 Hazardous Decomposition or Byproducts May cause release of chlorine vapors. compound.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	yes	yes	yes

Health Hazards (Acute and Chronic) Skin and eyes: Severe irritation, possible chemical burn.
Swallowed: Can cause chemical burns to mouth, throat, or stomach.

Inhalation: Vapors cause irritation, including a burning taste, sneezing, coughing, or
 Carcinogenicity NTP? NO IARC Monographs? NO OSHA Regulated? NO difficulty breathing.

Signs and Symptoms of Exposure Skin & eyes: severe irritation, possible chemical burn. If swallowed, can cause chemical
burns to mouth, throat or stomach.

Medical Conditions Generally Aggravated by Exposure People with asthma or lung problems may be more affected.

Emergency and First Aid Procedures Eyes: Flush at once with cool water for 15 minutes. Hold eyelids apart. Remove contact
lenses. Skin: Flush with water for 15 min. If swallowed, rinse mouth at once, then drink

Section VII — Precautions for Safe Handling and Use 1 or 2 large glasses of milk or water. Do not
 Steps to Be Taken in Case Material is Released or Spilled Rinse small amounts to drain if induce vomiting. If inhaled, immediately move to
possible. Large amounts, according fresh air. Call physician immediately.
to local, state and federal regulations.

Waste Disposal Method According to state, local, and federal regulations.

Precautions to Be Taken in Handling and Storing Used solutions may be hazardous. Treat with same caution as new material.

Other Precautions Keep out of reach of children.

Section VIII — Control Measures

Respiratory Protection (Specify Type)	
Ventilation	<u>Avoid breathing dust or mists.</u> Local Exhaust
	Mechanical (General) <u>Adequate</u>
	Special
	Other

Protective Gloves Rubber gloves - acid resistant Eye Protection Chemical goggles

Other Protective Clothing or Equipment Rubber apron if appropriate, for extended use

Work/Hygienic Practices Wash hands thoroughly after using this product.

DANGER CORROSIVE ALKALI!

WARNING: Contact with skin or eyes may cause burns.

CONTAINS: Sodium Hydroxide (Caustic Soda) liquids. Do not take internally. When handling wear goggles or face shield. Keep container closed.

ANTIDOTE

SKIN CONTACT: Immediately wash skin with large quantities of water.

EYE CONTACT: Flush with large quantities of water for at least 15 min. Call a physician immediately.

INTERNAL: Do not use emetics. Give water diluted with vinegar, lemon or orange juice. Follow with milk, olive oil, or whites of eggs beaten with water.

Call a physician immediately.

GPN #12390


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