

DAVIS SPECIALTY CHEMICALS, INC.**Safety Data Sheet
Green Delimer/Descaler**

SECTION 1: Identification**1.1 Product Identifier**

Product name Green Delimer/Descaler
Product number ACA-0
Brand Green

1.2 Other means of identification

Solution of phosphoric acid and citric acid.

1.3 Recommended use of the chemical and restrictions on use

Cleaning stainless steel cooking ovens and other stainless steel cooking apparatus.
Do not use in conjunction with other cleaners containing ammonia or chlorine.
Do not use cleaners containing sodium hydroxide or potassium hydroxide or other high pH components.

1.4 Supplier's details

Name Davis Specialty Chemicals, Inc.
Address P.O. Box 1080
 Ridgeland, MS 39158
 USA

Telephone 601-856-5774
email jdd639@aol.com

1.6 Emergency phone number(s)

1-800-535-5053

SECTION 2: Hazard Identification**2.1 Classification of the substance or mixture**

GHS classification in accordance with OSHA (29 CFR 1910.1200)
-Skin corrosion/irritation(chapter 3.2),Cat. 1
-Eye damage/irritation(chapter 3.3)Cat.1

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)
H313

May be harmful in contact with skin

Safety Data Sheet

Green Delimer/Descaler

H319 Causes serious eye irritation
H305 May be harmful if swallowed and enters airways

Precautionary statement(s)

P234 Keep only in original container.
P390 Absorb spillage to prevent material damage.
P406 Store in a corrosive resistant/... container with a resistant inner liner.

2.3 Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. WATER

Concentration $\geq 65 - \leq 76$ % (Weight)

Other names / synonyms DIHYDROGEN OXIDE; h2o; HYDROGEN OXIDE; ICE; SNOW; STEAM;
WATER, DISTILLED

CAS no. 7732-18-5

2. Phosphoric acid liquid

Concentration 20 - 30 % (Weight)

Other names / synonyms o-Phosphoric Acid; Phosphoric acid; phosphoric acid ... %, orthophosphoric acid ... %; Phosphoric acid, 85%; PHOSPHORICACID

EC no. 231-633-2

CAS no. 7664-38-2

Index no. 015-011-00-6

- Skin corrosion/irritation (chapter 3.2), Cat. 1B

H314 Causes severe skin burns and eye damage

3. Citric acid, solution

Concentration 4 - 5 % (Weight)

CAS no. 5949-29-1

H303+H313+H333

H315+H320

May be harmful if swallowed, in contact with skin or if inhaled
Causes skin and eye irritation

SECTION 4: First-aid measures

Safety Data Sheet Groen Delimer/Descaler

4.1 Description of necessary first-aid measures

General advice	In general, avoid any unnecessary contact. Wear all gear necessary to avoid contact.
If inhaled	If mist is inhaled, get prompt medical attention for any irritation or excess nasal discharge.
In case of skin contact	Rinse well with water and wash with soap if irritation has developed or for any prolonged contact. Emollient creams may help after cleaning well first.
In case of eye contact	Rinse well for 15 minutes. Get medical help if irritation persists.
If swallowed	Do not induce vomiting except on advice of medical authority. Drink water or milk for small quantities swallowed. If nausea develops or irritation occurs, get medical advice.

Personal protective equipment for first-aid responders

This product is corrosive but is not toxic. Avoid unnecessary contact.

4.2 Most important symptoms/effects, acute and delayed

Skin irritation may develop if contacted. Eyes may redden from contact and may be irritated. Substantial contact may have lasting discomfort and must have prompt medical attention. Nausea may develop if swallowed. If mist is breathed, coughing and sneezing may develop. If substantial breathing of mist occurs, the mucosal surfaces may be damaged. In any case, prompt medical attention is required.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Substantial mist inhalation resulting in coughing and sneezing which does not clear up in clear air quickly. Substantial eye contact which does not quickly respond to rinsing well with water. Prolonged skin contact which has developed substantial irritation.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Any extinguishing media which is satisfactory for the surrounding fire.

5.2 Specific hazards arising from the chemical

An irritating vapor may be formed in a substantial fire and present a hazard to those unprotected from contact.

5.3 Special protective actions for fire-fighters

Avoid exposure to mists from flames near this material. This is a mild acid cleaner which can be irritating if contacted. Self-contained breathing apparatus is recommended if there is a substantial quantity of cleaner involved.

Further information

This product is not flammable. This product is a water-based acid cleaner which may at high temperature produce an irritating mist which can be hazardous or irritating on contact.

SECTION 6: Accidental release measures

Safety Data Sheet Groen Delimer/Descaler

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with this liquid cleaner by using protective gear, including waterproof boots and suits as required.

6.2 Environmental precautions

Small quantities are not expected to cause substantial environmental consequences. Keep out of bodies of water to avoid lowering the pH of the water beyond an environmentally safe level.

6.3 Methods and materials for containment and cleaning up

Collect for disposal according to all applicable regulations. Absorbent materials such as sand or other absorbent media may be used to facilitate disposal. Small quantities of the liquid may be disposed of through sewage systems.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle as appropriate for the packaging.

7.2 Conditions for safe storage, including any incompatibilities

May be stored at 30 degrees F to 120 degrees F. Avoid storing with strong bases (high pH materials), ammonia or chlorine containing materials.

Specific end use(s)

This product is intended to be used as an effective cleaner of stainless steel cooking equipment. Effectiveness in cleaning other items may be successful, but must be tested on an item by item basis.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Phosphoric acid (CAS: 7664-38-2)

PEL, Worker - acute effects local (Dermal): 1 mg/m³, (ST) 3 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

2. Phosphoric acid (CAS: 7664-38-2)

REL, Worker - acute effects local (Inhalation): 1 mg/m³, (ST) 3 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.3 Individual protection measures, such as personal protective equipment (PPE)

Body protection

Apron, any water-proof body covering as required to avoid contact.

Respiratory protection

None expected to be needed. Use sprays as heavy, wet sprays, not as mist-making sprays.

Thermal hazards

None expected.

Environmental exposure controls

In normal cooking ware cleanup, no special provisions are expected to be of use.

Safety Data Sheet Groen Delimer/Descaler

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Clear, slightly greenish color
Odor	none
Odor threshold	No odor
pH	less than 2.0
Melting point/freezing point	unknown
Initial boiling point and boiling range	220 degrees F, range unknown
Flash point	none
Evaporation rate	slightly slower than water.
Flammability (solid, gas)	not flammable
Upper/lower flammability limits	none
Upper/lower explosive limits	not explosive
Vapor pressure	unknown
Vapor density	similar to water
Relative density	1.15 to 1.20
Solubility(ies)	complete in water
Partition coefficient: n-octanol/water	unknown
Auto-ignition temperature	none
Decomposition temperature	unknown, very high
Viscosity	similar to water
Explosive properties	none
Oxidizing properties	none

Other safety information

Use on equipment which is no hot to the touch.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactive with high pH materials, ammonia bearing materials, and chlorine bearing materials.

10.2 Chemical stability

This material will be chemically stable from the freezing point to normal storing temperatures.

10.3 Possibility of hazardous reactions

Only those know which are listed above.

10.4 Conditions to avoid

None beyond those listed above.

10.5 Incompatible materials

High pH materials, chlorine-bearing materials, and ammonia-bearing materials

10.6 Hazardous decomposition products

None expected at normal temperatures and when not in contact with the materials listed above as incompatible.

Safety Data Sheet
Groen Delimer/Descaler

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not a toxic material.

Skin corrosion/irritation

Corrosive or irritating to skin only after unattended contact without rinsing well.

Serious eye damage/irritation

Eye contact which is not immediately rinsed well and followed with appropriate medical attention may result in eye damage or irritation.

Respiratory or skin sensitization

Respiratory or skin sensitisation is unlikely except for someone with an allergic or repeated excess contact time.

Germ cell mutagenicity

none

Carcinogenicity

none known

Reproductive toxicity

none known

Summary of evaluation of the CMR properties expected to be safe in this category.

STOT-single exposure

none known

STOT-repeated exposure

not expected

Aspiration hazard

none in proper use. Should not be misted in use to avoid breathing irritation.

Additional information

This product is formulated with mild acids, which if properly used, have no expectation of harm to the user.

SECTION 12: Ecological information

Toxicity

none when disposed of with normal kitchen cleaning residue through sewage systems.

Persistence and degradability

not persistent, not biologically degradable.

Bioaccumulation potential

Safety Data Sheet
Green Callmer Descaler

Slight to none.

Mobility in soil
mobile with water movement if applied to soil.

Results of PBT and vPvB assessment
unknown

Other adverse effects
none known

SECTION 13: Disposal considerations

Disposal of the product
Proper disposal of this product is through waste water systems with cleaning water disposal.

Disposal of contaminated packaging
Rinse bottles well with water, dispose of boxes and plastic containers in accordance with all governmental regulations.

Waste treatment
No special treatment is required at waste water treatment plants.

Sewage disposal
As required in accordance with local and other governmental regulations.

Other disposal recommendations
This material is a low disposal hazard. Expected disposal is through normal cleanup sewage disposal systems.

SECTION 14: Transport information

DOT (US)
UN Number:
Class:
Packaging Group:
Proper Shipping Name: COMPOUND CLEANING LIQUID, 8, NA1760, PGII
Regulatory Code (RQ): 5000 lbs
Marine Pollutant: not listed
Poisonous by Inhalation hazard: no

IMDG
UN Number:
Class:
Packaging Group:
EMSA Number:
Proper Shipping Name:

IATA
UN Number:
Class:

Safety Data Sheet
Groen Delineer Descaler

Packing Group:
Proper Shipping Name:

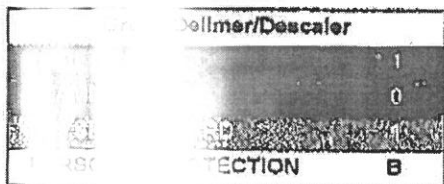
SECTION 15 Regulatory Information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components
Chemical Name: Phosphoric acid
CAS number: 7664-38-2

New Jersey Right To Know Components
Common Name: PHOSPHORIC ACID
CAS number: 7664-38-2

HMIS Rating:



NTP R



SECTION 16 Disposal Information

This product is a product of Groen, a division of United Brands, Inc.

16.1 Further Information/disclaimer

We believe the information is accurate in all details of this document, but do not guarantee that all information herein is without error. Use of this information is to be with the understanding that we will not be responsible for any errors which may result.

16.2 Preparation information

This document is dated 7/17/15.