

SAFETY DATA SHEET

Mighty Clean Lime Remover

Page: 1

Printed: 11/03/2015

Revision: 10/16/2015

Supersedes Revision: 02/24/2015

1. Product and Company Identification

Product Code: 460G
Product Name: Mighty Clean Lime Remover
Company Name: Diversified Kitchen Solutions
5642 Schaefer Ave.
Chino, CA 91710
Emergency Contact: infotrac #107852 (800)535-5053
Information: alan@dkssolutions.com (909)627-1131
Recommended Use: Descaler
Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B

Corrosive To Metals, Category 1

Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: Causes severe skin burns and eye damage.
May be corrosive to metals.
Causes serious eye damage.

GHS Precaution Phrases: Keep out of reach of children.
Wear protective gloves, protective clothing, eye protection, face protection.
Keep only in original container.
Wash hands thoroughly after handling.

GHS Response Phrases: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Call a POISON CENTER or doctor if you feel unwell.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If on skin (or in hair): Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical attention.

GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents and container according to the local, city, state and federal regulations.
Store in cool dry place at room temperature away from direct sunlight.

**Potential Health Effects
(Acute and Chronic):**

Inhalation: Causes chemical burns to the respiratory tract.
Skin Contact: Causes severe skin irritation and burns. Avoid any skin contact.
Eye Contact: Avoid any eye contact. Corrosive, contact causes severe eye burns.
Ingestion: Causes severe digestive tract burns with abdominal pain, vomiting, and possible death.
May be fatal if swallowed.

SAFETY DATA SHEET
Mighty Clean Lime Remover

Page: 2

Printed: 11/03/2015

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3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	Proprietary

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, call a physician.
In Case of Skin Contact:	Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion:	Do NOT induce vomiting. Drink large amounts of water. Call physician.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	NP
Explosive Limits:	LEL: N/A N.E. UEL: N/A N.E.
Autoignition Pt:	NP
Suitable Extinguishing Media:	CO2, dry foam, water.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.
Flammable Properties and Hazards:	No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Keep out of reach of children. Wash hands thoroughly after handling.
Precautions To Be Taken in Storing:	Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

SAFETY DATA SHEET

Mighty Clean Lime Remover

Page: 3

Printed: 11/03/2015

Revision: 10/16/2015

Supersedes Revision: 02/24/2015

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear chemical splash goggles.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Green color liquid with acrid fragrance.
Melting Point:	NE
Boiling Point:	> 212.00 F
Decomposition Temperature:	NE
Autoignition Pt:	NP
Flash Pt:	NP
Explosive Limits:	LEL: N/A N.E. UEL: N/A N.E.
Specific Gravity (Water = 1):	1.220
Density:	10.2 lbs/gal
Bulk density:	NE
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	100%
Saturated Vapor Concentration:	NE
Viscosity:	NP
pH:	0.5 - 2.0
Percent Volatile:	No data.
VOC / Volume:	0.0000 GL
Particle Size:	NE
Heat Value:	NE
Corrosion Rate:	NE

SAFETY DATA SHEET
Mighty Clean Lime Remover

Page: 4

Printed: 11/03/2015

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10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Incompatible materials, Excess heat.

Instability:

Incompatibility - Materials To Avoid: Strong oxidizers, strong alkali materials, aluminum and soft metals.

Hazardous Decomposition Or Byproducts: CO, CO₂.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: None.

11. Toxicological Information

Toxicological Information: No data available.

Carcinogenicity/Other Information: CAS# 7664-38-2:
Acute toxicity, LD50, Oral, Rat, 1530. MG/KG.
Results:
[Beha (missing text!)] [Chan (missing text!)] [in (missing text!)] [psyc (missing text!)] [test (missing text!)] ; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970
CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

Results of PBT and vPvB assessment: No data available.

CAS# 7664-38-2:
Not reported., Rainbow Trout (*Oncorhynchus mykiss*), fingerling, 5.190 %, 27 W, Growth, Water temperature: 16.00 C - 20.00 C C.
Results:
Morphological changes.
- Effect of Various Types of Phosphates on Zinc Availability to Rainbow Trout, Satoh, S., N. Porn-Ngam, T. Takeuchi, and T. Watanabe, 1993

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.

SAFETY DATA SHEET

Mighty Clean Lime Remover

Page: 5
Printed: 11/03/2015
Revision: 10/16/2015
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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Quart and one gallon: Limited Quantity.
Five Gallons or Higher: UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III. ()

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN1760

Packing Group: III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

15. Regulatory Information

CAS # 7664-38-2
Hazardous Components (Chemical Name) Phosphoric acid

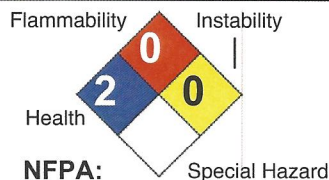
Other US EPA or State Lists
CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -
Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

16. Other Information

Hazard Rating System:

HEALTH		2
FLAMMABILITY		0
PHYSICAL		0
PPE		D

HMIS:



NFPA:

Revision Date: 10/16/2015

Additional Information About No data available.

This Product:

Company Policy or Disclaimer:

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.