

USA SUPPLY

Safety Data Sheet

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Version
1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name ELIMINATE

Product number EL-41
Commercial dishmachine/tray washer descaler

UN/ID No 8 3264
Company Em. Phone Number 803-719-0202

Recommended use
liquid solution that
removes limescale
/mineral film

Distributor
USALEASEINC
d/b/a USA SUPPLY
1528 Delmar St.
West Columbia,S.C..
29169

1-800-535-5053 (North America)

**Chemical Emergency
Phone
Number**

2. HAZARDS IDENTIFICATION

DANGER!

Odor
Acid

Emergency Overview

Corrosive; causes burns to eyes and skin
Harmful by inhalation, in contact with skin and if
swallowed

Appearance Clear, Green, Thin Liquid

Physical state Liquid.



OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard
Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Principle Routes of Exposure Ingestion, Inhalation, Eye Contact, Skin Contact

Acute toxicity

Eyes

Corrosive - causes irreversible eye damage

Skin

Corrosive; May cause severe burns

Inhalation

Inhalation of mists can cause irritation to the nose, throat &
respiratory tract.

Ingestion

Severe irritation of the gastrointestinal tract, causing vomiting,
nausea and burns.

Chronic Effects	No information available
Aggravated Medical Conditions	Pre-existing eye, skin and respiratory disorders.
Environmental hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Hydrochloric acid	7647-01-0	< 5%
Phosphoric acid	7664-38-2	< 30%

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. GET IMMEDIATE MEDICAL ATTENTION.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes
Inhalation	If victim shows signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.
Ingestion	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician	Treat symptomatically
Protection of First-aiders	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash point	Not determined.
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Hazardous Combustion Products	Phosphorus oxides
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
NFPA	Health Hazard 3 Flammability 0 Stability 0 Physical and chemical hazards COR
HMIS	Health Hazard 3 Flammability 0 Physical Hazard 0 Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin, eyes and clothing Use personal protective equipment Ensure adequate ventilation
Environmental precautions	Keep out of waterways. Neutralization is normally necessary before waste water is discharged into water treatment plants.
Methods for Containment	Contain spill. Neutralize with alkali. Mop up, rinse with plenty of water.
Methods for cleaning up	Flush any neutralized residue with large quantity of water.

7. HANDLING AND STORAGE

Advice on safe handling	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water Do not eat, drink or smoke when using this product
Technical measures/Storage conditions	Keep out of the reach of children Keep containers tightly closed in a cool, well-ventilated place Store away from incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid 7647-01-0		Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³
Phosphoric acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³ test	TWA: 1 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures	Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location Ensure adequate ventilation, especially in confined areas
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Personal Protective Equipment Institutional Environment

Eye/Face Protection	Tightly fitting safety goggles
Consumer Environments	Care should be taken to avoid Eye contact.
Skin and body protection	Rubber gloves
Respiratory protection	Ensure adequate ventilation
Hygiene measures	Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

Eye/Face Protection	Splash-proof chemical goggles or face shield.
Skin and body protection	Acid proof gloves, impervious rubber boots & apron.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Do not eat, drink or smoke when using this product Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

		Odor	Acid
9.1 Information on basic physical ar			
properties			
Physical state	Liquid	Remarks	Methods
Appearance	Clear Green Thin Liquid		
Color	Green	No data available	
		No data available	
Property	Values		
pH	< 1.0		
Melting/freezing point		Not flammable	
Freezing Point			
Boiling point/boiling range	> 100 °C / 212 °F	No information available	
Flash Point		No information available	
Evaporation rate	Similar to Water		
Flammability (solid, gas)			
Flammability Limits in Air			
upper flammability limit			
lower flammability limit			
Explosion			
Limits upper		No information available	
lower			
Vapor pressure		No information available	
Vapor density			
Specific Gravity	1.1645 ± 0.005		
Water solubility	Completely soluble.		
Explosive properties	Not explosive		
9.2 Other information			
VOC Content(%)	negligible		
10. STABILITY AND REACTIVITY			
Stability	Stable under recommended storage conditions.		
Incompatible products	Strong bases Common Metals Cyanides Chlorine Bleach Sulfides		
Conditions to Avoid	None known based on information supplied		
Hazardous Decomposition Products	Phosphorus oxide fumes under fire conditions. Contact with common metals produces Hydrogen Gas.		
Hazardous Reactions	Reacts with chlorine-containing products such as bleach to produce toxic gas		
Hazardous Polymerization	Hazardous polymerization does not occur		
11. TOXICOLOGICAL INFORMATION			
Acute toxicity			
Product Information	Harmful by inhalation, in contact with skin and if swallowed.		
Inhalation	Vapors may irritate throat and respiratory system		
Eye contact	Corrosive to the eyes and may cause severe damage including blindness		
Skin contact	Contact causes severe skin irritation and possible burns		
Ingestion	Corrosive - causes severe burns to gastrointestinal tract.		

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrochloric acid	700 mg/kg (Rat)	5010 mg/kg (Rabbit)	3124 ppm (Rat) 1 h
Phosphoric acid	1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m ³ (Rat) 1 h

Chronic toxicity

Chronic toxicity No information available

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid		Group 3		

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Large amounts will affect pH and harm aquatic organisms Neutralization is normally necessary before waste water is discharged into water treatment plants

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Hydrochloric acid		282: 96 h Gambusia affinis mg/L LC50 static		
Phosphoric acid		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated packaging

Do not re-use empty containers

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Phosphoric acid	Corrosive

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Regulated
Hazard class	Corrosive liquid, acidic, inorganic, n.o.s.(Hydrochloric Acid, Phosphoric Acid)
UN/ID No	8
Packing Group	3264
	III

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies
IECSC	Complies

KECL Complies
PICCS Complies
AICS Complies
TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric acid	5000 lb			X
Phosphoric acid	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrochloric acid	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Phosphoric acid	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations.

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Phosphoric acid		Mexico: TWA 1 mg/m ³ Mexico: STEL 3 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Chemical Name	NPRI
Phosphoric acid	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared USALEASE INC
By 1528 Delmar St
West Columbia.S.C. 29169

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Revision Note 1.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

Safety Data Sheet