

1. PRODUCT AND COMPANY INFORMATION

Product Name : **DELIME**
 Other Means of Identification : **UN/ID No: 3264** FM 9027-1
 Recommended Use : Dishwasher Machine Descaler
 Restrictions on Use : For Industrial and professional use only
 Company : Accurate Chemical
 731 W. Fairmont Dr.
 Tempe, AZ 85282
 Emergency telephone : (602) 996-9191
 Poison control center : (800)-222-1222
 Issuing date : 06/1/2015

2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion : Category 1A
 Serious eye damage : Category 1

GHS Label element

Hazard pictogram : 

Signal Word : Danger

Hazard Statements : Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:
 Wash skin thoroughly after handling.
Response:
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
Storage:
 Store locked up.
Disposal:
 Dispose of contents/container to an approved waste disposal plant.

Other Hazards : None known.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture	:	Mixture	Concentration (%)	Trade Secret
Chemical Name		CAS-No.		
Phosphoric Acid		7664-38-2	10% – 20%	*
Oxalic acid		144-62-7	1% - 5%	*
Hydrochloric acid		7647-01-0	1% - 10%	*

4. FIRST AID MEASURES

In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothes before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If Swallowed	:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If Inhaled	:	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	:	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to Physician	:	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	:	See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	None known
Specific hazards arising during fire-fighting.	:	Not flammable or combustible.
Hazardous combustion products	:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus
Special protective equipment for fire-fighters	:	Use personal protective equipment.

Specific extinguishing methods :
Fire residues and contaminated fire extinguishing water must be for Fire-Fighters.

disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in section 7 and 8.
- Environmental Precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13).
Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7. HANDLING AND STORAGE

- Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not Breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. SAFETY REMINDER:
*Never pour product into unlabeled containers.
*Use only for recommended uses. Read label.
*Never take product home. Use only in workplace.
- Conditions for Safe Storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.
- Storage Temperatures : -10°C to 50°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Concentration %	Permissible concentration	Basis
Phosphoric acid	7664-38-2	TWA 1mg/m ³	10% - 20%	3mg/m ³	ACGIH /NIOSH REL
Oxalic acid	144-62-7	TLV: 1mg/m ³ TWA: 2mg/m ³	1% - 5%	1mg/m ³	ACGIH /OSHA
Hydrochloric acid	7647-01-0	TWA	1% -10%	2ppm/5ppm	ACGIH TLV/OSHA PEL

Engineering measures	None
Personal protective equipment	
Eye protection	In " Concentrated " form, use safety goggles and/or a face-shield
Hand protection	In "Concentrated form, wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Light Green
Odor	: odorless
pH	: <1.00
Flash Point	: Not applicable No
Odor Threshold	: data available No
Melting point/freezing point	: data available
Initial boiling point and boiling range	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Specific gravity	: 1.106
Relative density	: No data available
Water solubility	: Complete
Solubility in other solvents	: No data available

Partition coefficient octanol/water	:	No data available
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	None

10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable under normal conditions
Possibility of Hazardous Reactions	:	No dangerous reactions known under conditions of normal use.
Conditions to Avoid	:	None known.
Incompatible materials	:	Bleach Metals
Hazardous Decomposition Products	:	Decomposition products may include the following materials: Carbon oxides Oxides of phosphorus

11. TOXICOLOGICAL INFORMATION

Information on likely routes of Exposure	:	Eye contact, Skin contact
Potential Health Effects		
Eyes	:	Causes serious eye damage.
Skin	:	Causes severe skin burns.
Ingestion	:	Causes digestive tract burns.
Inhalation	:	May cause nose, throat, and lung irritation.
Chronic Exposure	:	Health injuries are not known or expected under normal use.
Experience with human exposure		
Eye contact	:	Redness, Pain, Corrosion
Skin contact	:	Redness, Pain, Corrosion
Ingestion	:	Corrosion, Abdominal pain
Inhalation	:	Respiratory irritation, Cough
Toxicity		
Acute oral toxicity	:	Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available

approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA – Resource Conservation and Recovery Authorization Act Hazardous Waste : D002 (Corrosive)

14. TRANSPORT INFORMATION

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land Transport (DOT)

UN number : UN3264
DOT Proper Shipping Name : Corrosive liquid, acidic, inorganic, n.o.s., (Phosphoric acid)
Class : 8
Packing Group : III
Environmentally hazardous : No

Sea Transport (IMDG/IMO)

UN number : 3264
Description of the goods : Corrosive liquid, acidic, inorganic, n.o.s., (Phosphoric acid)
Dish machine descaler
Class : 8
Packing Group : III
Marine pollutant : no

15. REGULATORY INFORMATION

EPCRA – Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

SARA 304 Extremely Hazardous Substance Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory :
On TSCA Inventory

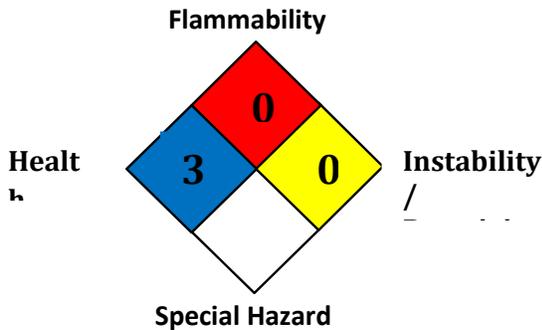
Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL

16. OTHER INFORMATION

Hazardous Material :
Information System (U.S.A)

Health	3
Flammability	0
Physical Hazards	0

NFPA:



Issuing date : June 1 2015
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 Prepared by : Accurate Chemical
 Revision Dates : 17-October-2017, 26-February-2019 /24-February-2023
 Revision Notes : Updated formula

Notice to reader

The information provided in this Safety Data Sheet 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 guidance for safe handling, Use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.