



CORPORATE OFFICE: 4545 ARDINE STREET, SOUTH GATE, CA 90280
Phone: 323-832-5000 Fax: 323-773-0909

NEW MSDS DATE: 05/04/2005
Revised Date:

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
IMPORTANT: Read this MSDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: **PHOSPHORIC ACID 26%**
COMPANY IDENTITY: LOS ANGELES CHEMICAL CO
COMPANY ADDRESS: 4545 ARDINE ST.
COMPANY CITY: SOUTH GATE, CA 90280
COMPANY PHONE: 1-323-832-5000
CHEMTREC PHONE: 1-800-424-9300

SECTION 2. HAZARDOUS INGREDIENTS

CONTAINS: PHOSPHORIC ACID (7664-38-2) [231-633-2]
Number in parentheses is CAS #, number in brackets is European EC #.

SECTION 3. HAZARDS IDENTIFICATION

RISK STATEMENTS:

R34 Causes burns.

SAFETY STATEMENTS:

S24/25 Avoid contact with skin and eyes.

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.

Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

SWALLOWING:

ANTIDOTE:

If swallowed, Do NOT induce vomiting. Have patient lie down & keep warm.

Vomiting may lead to severe damage to esophagus which may be fatal.

Give large amounts of water. Give at least one ounce of milk of magnesia or aluminum hydroxide gel in an equal amount of water.

if unavailable, give the white of 2 or 3 eggs.

Never give anything by mouth to an unconscious person. CALL A PHYSICIAN.

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SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

Noncombustible.

Reacts with most metals producing hydrogen which is extremely flammable & may explode. Applying to hot surfaces requires special precautions. Closed containers may rupture if exposed to extreme heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES

Keep unprotected personnel away. Stop spill at source. Dike area & contain.

CLEAN-UP PROCEDURES:

Neutralize with soda ash & dilute with plenty of water. Pump spilled liquid & put contaminated soil in DOT approved containers for disposal. Label immediately. Clean up remainder with absorbent materials. Wet down with plenty of water & remove immediately

SECTION 7. HANDLING AND STORAGE

HANDLING

Use only with adequate ventilation.

Do not get in eyes, on skin or clothing.

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

STORAGE

Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

Reacts with most metals producing hydrogen which is extremely flammable & may explode. Wear full face shield, gloves & full protective clothing when opening or handling. When empty, drain completely, replace bungs securely.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

- LOCAL EXHAUST : Necessary
- MECHANICAL (GENERAL) : Necessary
- SPECIAL : None
- OTHER : None

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION: (continue)

PERSONAL PROTECTIONS:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
 Wash at end of each workshift & before eating, smoking or using the toilet.
 Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL DATA

APPEARANCE :		Clear, Red Liquid
ODOR :		None
BOILING RANGE :	100 100 100* C / 212 212 212* F (*=End Point)	
AUTO IGNITION TEMPERATURE :		Not Applicable
LOWER FLAMMABLE LIMIT IN AIR (% by vol):		Not Applicable
FLASH POINT (TEST METHOD):		Not Applicable
FLAMMABILITY CLASSIFICATION:		Non-Combustible
GRAVITY @ 68/68 F / 20/20 C :		
SPECIFIC GRAVITY (Water=1) :		1.158
POUNDS/GALLON :		9.66
VOC'S (>0.44 Lbs/Sq In) :	0.0 Vol. % /	0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC) :	0.0 Vol. % /	0.0 g/L / 0.000 Lbs/Gal
NONEKEMPT VOC'S (CVOC) :	0.0 Vol. % /	0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	0.0 Wt. % /	0.0 g/L / 0.000 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C		17.5
NONEKEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)		0.0
VAPOR DENSITY (air=1) :		0.6
WATER ABSORPTION :		Complete
pH (Neutrality) :		0.45

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable but Reacts with most metals producing hydrogen which is extremely flammable & may explode.

CONDITIONS TO AVOID

Isolate from alkalis.

MATERIALS TO AVOID

Isolate from alkalies, amines & non-resistant metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Phosphorus Pentoxide from heating.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Phosphoric Acid	7664-38-2	None Known	None Known	No
This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.				

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SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Phosphoric Acid	7664-38-2	None Known	3 ppm

ACUTE HAZARDS

EYE & SKIN CONTACT:

Severe burns to skin, defatting, dermatitis.
Severe burns to eyes, redness, tearing, blurred vision.
Liquid can cause Severe skin & eye burns . Wash thoroughly after handling.

INHALATION:

Severe respiratory tract irritation may occur. Vapor harmful.

SWALLOWING:

Harmful or fatal if swallowed.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED:

None Known.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

SECTION 12. ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

No mammalian information is available on this product.

AQUATIC ANIMAL INFORMATION:

No aquatic environmental information is available on this product.

MOBILITY

Mobility of this material has not been determined.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If questions exist, contact the appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ," BEFORE SHIPPING NAME.

DOT SHIPPING NAME: Corrosive liquid, acidic, inorganic, n.o.s.
(Phosphoric Acid), 8, UN3264, PG-III

DRUM LABEL: (CORROSIVE)

IATA / ICAO: Corrosive liquid, acidic, inorganic, n.o.s.
(Phosphoric Acid), 8, UN3264, PG-III

IMO / IMDG: Corrosive liquid, acidic, inorganic, n.o.s.
(Phosphoric Acid), 8, UN3264, PG-III

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 154

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SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA list.
This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

SARA TITLE III INGREDIENTS	CAS#	(REG. SECTION)	RQ (LBS)
Phosphoric Acid	7664-38-2	(302,311,312)	5000

> 19231 LB / 8741 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF PHOSPHORIC ACID. Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 3, FLAMMABILITY: 0, REACTIVITY: 0
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process. Unless updated, this Material Safety Data Sheet is valid until 05/04/2008.

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