

Safety Data Sheet

LFA-2002

SECTION I - IDENTIFICATION



Algonquin Products Company
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Infotrac #84191 :..... (800) 535-5053

Product Number ALG-1762
Product Name LFA-2002
Chemical Family Acid Cleaner
CAS Number Multiple
Date Prepared 5/27/2015
Revision Number 10/2/2015
Recommended Use Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Oxidizing Liquids	Category 3
Acute Toxicity, Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Acute Toxicity, Inhalation	Category 4

DANGER!

GHS LABEL:



Hazard Statements

H272a	May intensify fire; oxidizer
H312	Harmful in contact with skin
H314	Causes severe burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled

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Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surface - No smoking.
- P220 Keep/Store away from clothing/.../combustible materials, etc.
- P221 Take any precaution to avoid mixing with combustibles/...
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated are.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+352 IF ON SKIN: Wash with soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- p304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
- P322 Specific measures (see ... on this label).
- P363 Wash contaminated clothing before reuse.
- P370+378 In case of fire: Usedry sand, dry chemical, or alcohol-resistant foam for extinction.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal plant.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Phosphoric Acid	7664-38-2	< 10	1 mg/m ³	1 mg/m ³
Nitric acid	7697-37-2	< 30	10 ppm; 5.000000	2.000000 ppm

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

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Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Ingestion: If swallowed: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual Fire Fighting Hazards: Not determined.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Mop up or absorb onto absorbant material and collect for disposal. Dispose of contents/container to an approved waste disposal plant.

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Do not eat, drink or smoke when using this product. Do not breath dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Wash face, hands, and any exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse.
 - Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of the reach of children.
 - Avoid strong acids. Oxidizers.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

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Component Name	CAS #	OSHA PEL	ACGIH TLV
Phosphoric Acid	7664-38-2	1 mg/m ³	1 mg/m ³
Nitric acid	7697-37-2	000 ppm; 5.000000 m	2.000000 ppm

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Monitoring: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse.

Personal Protective Equipment (PPE)

Eye Protection: Safety glasses with side shields or chemical goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV. None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colorless liquid
Odor	mild
pH@25°C	< 1
Melting/Freezing Point	Not Determined
Flashpoint	Not Determined
Specific Gravity	1.24
Solubility	completely
Auto-Ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
VOC Content	Not Determined
Odor Threshold	Not Determined
Boiling Range	104.3°C
Evaporation Point	Not Determined
Flammable Limits - Upper	Not Determined
Flammable Limits - Lower	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air=1)	Not Determined
Viscosity	Not Determined

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SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Keep out of reach of children. Extreme temperatures.

Hazardous Decomposition/Byproducts: Oxides of carbon and nitrogen under incomplete combustion conditions.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

Incompatibilities: Strong Oxidizers and Alkali Metals

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Do Not Inhale

Eye Contact: Will cause severe burns on contact and will damage the eyes.

Skin Contact: Causes severe skin burns.

Ingestion: Do Not taste or swallow

Toxicity:

Component Name	LD50	LC50
Phosphoric Acid	Oral - rat - 1530 mg/kg - Dermal - rabbit - 2740 mg/kg	Inhalation - rat - 25.5 mg/m ³
Nitric acid	Not Established	Not Established

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: The Product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, State, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.

Contains: Phosphoric Acid, Nitric Acid

Hazard Class and Label: 8

Identification Number: UN3264

Packaging Group: II

Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)	TPQ (lbs.)
Nitric acid	7697-37-2	< 30		1,000

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
N/A	N/A	N/A	N/A	N/A

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

Component Name	CAS #	% by wt.
	7664-38-2	< 10
Nitric acid	7697-37-2	< 30

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

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Component Name	CAS #	% by wt.	RQ (lbs.)
Phosphoric Acid	7664-38-2	< 10	5,000
Nitric acid	7697-37-2	< 30	1,000

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 3

HMIS Flammability: 0

HMIS Reactivity: 1

Additional:

Specification Information

Department issuing data sheet: Revised 4/20/15

Email address:

Training necessary:

Disclaimer:

The information provided in this SDS 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.