

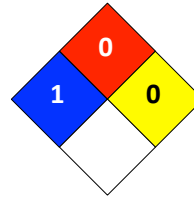


SAFETY DATA SHEET

Lemon Ammonia Cleaner

SECTION I – PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: Solutions Ammonia Lemon Cleaner
Formula Number: 14007001
Product Description: Clear, yellow liquid
Applicable Product Codes: 80560
Product Use: Hard surface cleaner
Manufactured For: Ameriplus, Inc
Address: 535 S Hercules Avenue, Suite 201
 Clearwater, FL 33764
Phone: (813)-855-6688
National Poison Control Center: (800)-222-1222



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

SECTION II – HAZARDS IDENTIFICATION

Emergency overview: KEEP OUT OF REACH OF CHILDREN

Avoid contact with eyes, skin and clothing – this product contains ammonia. Do not mix with other household chemicals, as hazardous gases could be released

Potential short term health effects: Routes of exposure: eye, skin, inhalation, ingestion
 Eyes: may cause severe eye irritation and/or permanent damage
 Skin: may cause severe eye irritation and/or permanent damage
 Inhalation: may cause severe irritation and/or permanent damage to mucous membranes of respiratory system
 Ingestion: may cause severe burns of mouth, throat, esophagus and stomach

Target organs: Eyes, respiratory system, skin

Chronic effects: This product is not expected to have chronic health effects

Signs and symptoms of exposure: Ingestion: possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea – large ingestions may cause collapse and possible death
 Eye Contact: may result in temporary effects including stinging, tearing, itching, swelling, redness and/or corneal injury
 Skin Contact: may cause skin burns, blisters or redness – use on irritated or extremely dry skin may aggravate the existing condition
 Inhalation: inhalation of significant amounts of aerosolized product may cause respiratory irritation, coughing, sneezing, labored breathing and/or pulmonary edema

SECTION III – HAZARDOUS INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Weight %</u>
Ammonium Hydroxide	1336-21-6	1-3%

This product contains no known carcinogens present at or above de minimus level

SECTION IV – FIRST AID MEASURES

Eye Contact: Hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes. If irritation persists, get medical attention

Skin Contact: Completely remove contaminated clothing, wash skin with cool water and mild soap

Ingestion: Drink a glassful of water, do not induce vomiting. Never give an unconscious person anything to ingest. Call a doctor or poison control center

Inhalation: Remove to fresh air. If breathing problems develop, call a doctor



SAFETY DATA SHEET

Lemon Ammonia Cleaner

Notes to physician: Contains aqueous ammonia, surfactants, perfume and dye

SECTION V – FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, dry chemical or water spray – direct water spray may spread fire

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance

Specific hazards during fire-fighting: Ammonia gas may be liberated at all temperatures, which can be explosive in confined space conditions. Contact between this product and concentrated mineral acids will cause immediate boiling and a possible explosion. Containers may rupture in a fire situation. Violent steam generation may occur upon application of direct water stream to hot liquids. Thermal decomposition or burning may produce noxious and/or toxic fumes including oxides or carbon and nitrogen. Incomplete combustion may form carbon monoxide. Evacuate downwind personnel

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spill response: Eliminate sources of ignition. Do not touch or walk through spilled material. Stop leak(s) only if you can do so without risk. Prevent release into waterways, sewers, basements or confined areas. Dilute with water. Absorb or cover with dry earth, sand or other non-combustible material and transfer to labeled containers. Use clean, non-sparking tools to collect absorbed material

Other precautions: Evacuate personnel and ventilate area around spill. Keep personnel upwind of spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment

SECTION VII – HANDLING AND STORAGE

Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. Contains ammonia – do not mix with other household chemicals, as hazardous gases could be released. Keep container closed when not in use and store in a cool, dry place. Do not reuse empty container. Do not expose product to extreme hot or cold temperatures

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

<u>Component</u>	<u>List</u>	<u>Type</u>	<u>Value</u>
Ammonium Hydroxide	OSHA	PEL	50 ppm
	OSHA	STEL	35 ppm
	ACGIH	TWA	25 ppm
	ACGIH	STEL	35 ppm
	NIOSH	TWA	25 ppm
	NIOSH	IDLH	300 ppm

Personal Protective Equipment (PPE)

Safety glasses, splash goggles and/or face shields are required when handling large quantities of product. Wear chemical-resistant gloves if there is a potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is recommended

Engineering Controls

Use in area with adequate ventilation to minimize exposure to product mist



SAFETY DATA SHEET

Lemon Ammonia Cleaner

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, yellow liquid

Odor: Pungent ammonia, citrus

pH: 10.9 ± 0.2

Melting/freezing point: < 32 °F

Boiling point: Not available

Flash point: None

Evaporation rate: Not available

Vapor pressure: Not available

Upper flammability limit: Not available

Lower flammability limit: Not available

Specific gravity: 1.020 ± 0.002

Solubility in water: Complete

Partition coefficient: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

SECTION X – STABILITY AND REACTIVITY

Chemical stability: Stable at normal use/storage conditions, will not hazardously polymerize

Conditions to avoid: Never mix with other chemicals that contain sodium hypochlorite, such as bleach

Incompatible materials: Do not mix with other chemicals, including strong acids, bases and oxidizers

Hazardous decomposition products: In a fire situation, will produce ammonia gas, nitrogen oxides and normal products of combustion

Hazardous reaction possibility: Possible with incompatible materials

SECTION XI – TOXICOLOGICAL INFORMATION

This product contains no known carcinogens and is not expected to be acutely toxic. If ingested, drink a glassful of water and do not induce vomiting. If in contact with eyes, hold eyes open, remove any contact lenses and immediately flush eyes with plenty of cool water for 15 minutes

oral rat LD50: 350 mg/kg; eye, rabbit, standard Draize, 250 ug; severe, investigated as a mutagen.

For ammonia:

inhalation rat LC50: 2000 ppm/4-hr; investigated as a tumorigen, mutagen.

<i>Component</i>	<i>Acute toxicity, ingestion</i>	<i>Acute toxicity, absorption</i>	<i>Repeated dose toxicity</i>	<i>Developmental toxicity</i>	<i>Reproductive toxicity</i>	<i>Genetic toxicity</i>
Ammonium Hydroxide	350 mg/kg, LD50, rat	1 mg/kg, LD50, rabbit	may cause breathing disorders and/or lung damage	No data available	No data available	Investigated as a mutagen

SECTION XII – ECOLOGICAL INFORMATION

Ammonium Hydroxide: Low bio-accumulation potential, high potential soil mobility. Material is considered biodegradable and toxic to aquatic and terrestrial organisms

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state and local regulations. Do not reuse empty containers – flush with water and place in appropriate trash or recycling receptacle



SAFETY DATA SHEET

Lemon Ammonia Cleaner

SECTION XIV – TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: Not regulated in non-bulk containers
US DOT Hazard Class: N/A
US DOT ID Number: N/A
US DOT Packing Group: N/A
ORM-D Exemption possible: N/A

SECTION XV – REGULATORY INFORMATION

TSCA: All ingredients in this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30

FIFRA: This product is not a registered pesticide

CERCLA reportable quantity: None

California Proposition 65: This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute

SARA Title III 302 extremely hazardous substance: No

SARA Title III 313 reportable ingredients: No

SARA Title III 311/312 hazard categories:

	<u>Yes</u>	<u>No</u>
Immediate Hazard	X	
Delayed Hazard		X
Fire Hazard		X
Pressure Hazard		X
Reactivity Hazard		X

SECTION XVI – OTHER INFORMATION

This product should only be used as directed on the label and for its intended purpose. This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer’s control and all chemicals may present unknown hazards and should be used with caution. User is responsible for evaluating all available information when using this product for a particular use and to comply with all applicable federal, state and local laws and regulations.