



Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td>Health Hazard</td><td>2</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	2	Fire Hazard	0	Reactivity	0		
Health Hazard	2								
Fire Hazard	0								
Reactivity	0								

Issuing Date 24-Oct-2006

Revision Date 24-Oct-2006

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LEMON AMMONIA

Recommended Use Cleaning agent

Supplier Address

Heritage Brands, LLC.
602 Washington Avenue, Carlstadt, NJ,
07072
US
Phone:201-933-3500
Fax:201-935-9375
Contact:Ash Gandhi
Contact Phone:1-201-933-3500
Emergency Phone: 201-390-2155

Company Emergency Phone Number 201-390-2155

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May be harmful if swallowed.
Irritating to eyes, respiratory system and skin.
Vapors may be irritating to eyes, nose, throat, and lungs.

Appearance Light yellow

Physical State Liquid

Odor pungent Lemon

Potential Health Effects

Principle Routes of Exposure Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Irritating to eyes.

Skin

Irritating to skin.

Inhalation

May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Repeated inhalation of vapors may cause irritation of respiratory tract or bronchitis.

Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water, distilled, conductivity or of similar purity	7732-18-5	60 - 100
Ammonia	7664-41-7	1 - 5
Sodium dodecylbenzenesulfonate	25155-30-0	0.1 - 1
Tetrasodium EDTA	64-02-8	< 0.1
Defoamer, alcohol-base	RR-34046-5	< 0.1
Fragrance (Irritating to eyes and the respiratory system)	Fragrance	< 0.1
Dye-X	RR-18450-9	< 0.1

4. FIRST AID MEASURES

Eye Contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Immediate medical attention is required. Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	250°C / 482°F
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Uniform Fire Code	<ul style="list-style-type: none"> • Irritant: Liquid • Other Health Hazard: Target Organ Toxin--Liquid
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO ₂).
Explosion Data	
Sensitivity to mechanical impact	Not sensitive
Sensitivity to static discharge	Not sensitive

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

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 2	Flammability 0	Stability 0	Physical and Chemical Hazards -
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.
Methods for Containment	Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic organisms.
Other Information	Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ammonia	TWA: 25 ppm STEL: 35 ppm	STEL: 27 mg/m ³	300 ppm

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures	Showers Eyewash stations Ventilation systems
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Personal Protective Equipment Eye/face Protection Skin and body protection Respiratory Protection	Safety glasses with side-shields. Impervious clothing. Impervious gloves. 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.
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Hygiene Measures	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow	Odor	pungent Lemon
Physical State	Liquid	pH	11.8
Flash Point	250°C / 482°F	Autoignition Temperature	Not applicable
Boiling Point/Range	93°C / 199°F	Melting Point/Range	No data available
Flammability Limits in Air	No data available		
Water Solubility	Miscible with water	Solubility	No data available
VOC Content	Not applicable	Partition Coefficient (n-octanol/water)	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from children. Heating can release hazardous gases.
Incompatible Products	Incompatible with strong acids and bases. Incompatible with oxidizing agents. Chlorinated compounds.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonia	350 mg/kg (Rat)		2000 ppm (Rat) 4 h
Sodium dodecylbenzenesulfonate	438 mg/kg (Rat)		
Tetrasodium EDTA	1658 mg/kg (Rat)		

Subchronic Toxicity (28 days)

Chronic Toxicity

Chronic Toxicity Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Repeated inhalation of vapors may cause irritation of respiratory tract or bronchitis.

Carcinogenicity There are no known carcinogenic chemicals in this product

Mutagenicity

Reproductive Toxicity This product does not contain any known or suspected reproductive hazards.

Target Organ Effects Eyes, Respiratory system, Skin.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ammonia			EC50 = 2.0 mg/L 5 min	EC50 = 25.4 mg/L 48 h
Tetrasodium EDTA	EC50 = 1.01 mg/L 72 h			EC50 = 610 mg/L 24 h

Chemical Name	Log Pow
Ammonia	-1.14

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Ammonia	7664-41-7	1 - 5	1.0

SARA 311/312 Hazard Categories

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

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
Ammonia	100 lb			X
Sodium dodecylbenzenesulfonate	1000 lb			X

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

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
Ammonia	100 lb	100 lb
Sodium dodecylbenzenesulfonate	1000 lb	

Pesticide Information

Chemical Name	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Water, distilled, conductivity or of similar purity		List 4A - Minimum Risk Inerts		
Ammonia			X	
Sodium dodecylbenzenesulfonate		List 3 - Unknown Toxicity	X	
Tetrasodium EDTA		List 4B - Inert Ingredients	X	

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ammonia	X	X	X		X

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium dodecylbenzenesulfonate	X	X	X		

International Regulations

Mexico - Grade Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
Ammonia		STEL: 35 ppm STEL: 27 mg/m ³ TWA: 25 ppm TWA: 18 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.

WHMIS Hazard Class

D2B Toxic materials



Chemical Name	NPRI
Ammonia	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Issuing Date 24-Oct-2006

Revision Date 24-Oct-2006

Revision Note No information available

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.

End of MSDS