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Revision #: 4

SAFETY DATA SHEET

NBE Lemon Ammonia

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: NBE Lemon Ammonia

Formula Number: 14007001

Product Code(s): 70206, 80560

Product Description: Clear, yellow liquid

Recommended 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

SECTION 2 – HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910.1200(d)

Skin Corrosion/Irritation: Category 3

Serious Eye Damage/Eye Irritation: Category 2B

LABEL CONTENT IN ACCORDANCE WITH 29 CFR 1910.1200(f)

Hazard Pictogram(s): none

Signal Word(s): Warning

Hazard Statement(s): Causes eye irritation
Causes mild skin irritation

Precautionary Statement(s): General: Read label before use. Keep out of reach of children and pets. If medical advice is needed, have product container or label available.

Prevention: Wash hands and any exposed skin thoroughly after handling. Wear protective gloves and eye or face protection.

Response: IF IN EYE(S): Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF ON SKIN: If skin irritation occurs, get medical advice/attention.

Storage: Transport and store in an upright position and in the original container.

Disposal: 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.

Supplemental Label Element(s): None known

Hazard(s) Not Otherwise Classified: None known

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Ingredient</u>	<u>Common Name(s) / Synonyms</u>	<u>CAS #</u>	<u>Weight %</u>
Ammonium Hydroxide	Aqua Ammonia	1336-21-6	1-3%

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



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SECTION 4 – FIRST AID MEASURES

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin Contact: If skin irritation occurs, get medical advice/attention.

Signs and symptoms of exposure: Ingestion: may cause irritation to mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, and/or diarrhea

Eye Contact: may cause eye irritation with pain and/or redness

Skin Contact: repeated or prolonged contact may irritate skin, particularly in sensitive individuals

Inhalation: vapors may cause upper respiratory irritation resulting in coughing and sneezing, olfactory fatigue, labored breathing, and/or pulmonary edema

Notes to physician: Contains ammonium hydroxide, which may release ammonia vapors. These vapors can irritate eyes, skin, and mucous membranes

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, dry chemical – adding water to this product may generate large amounts of heat – 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: This product is not combustible, but 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 of carbon and nitrogen. Incomplete combustion may form carbon monoxide. Evacuate downwind personnel

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill response: 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 the spilled material with water. Flush spill area with water and cover with sand, clay or dry earth and transfer waste to labeled containers

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 7 – HANDLING AND STORAGE

Keep out of reach of children and pets. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. 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 8 – 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



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Engineering Controls

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

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 skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is recommended

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, yellow liquid

Upper flammability limit: Not available

Odor: Pungent ammonia, citrus

Lower flammability limit: Not available

pH: 10.9 ± 0.2

Specific gravity: 1.020 ± 0.002

Melting/freezing point: < 32 °F

Solubility in water: Complete

Boiling point: Not available

Partition coefficient: Not available

Flash point: None

Auto-ignition temperature: Not available

Evaporation rate: Not available

Decomposition temperature: Not available

Vapor pressure: Not available

SECTION 10 – 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 11 – TOXICOLOGICAL INFORMATION

This product contains no known carcinogens. Likely routes of entry include inhalation, ingestion, skin contact, and eye contact.

Signs and symptoms of exposure: Ingestion: may cause irritation to mouth, throat, esophagus and stomach – symptoms include nausea, vomiting, and/or diarrhea

Eye Contact: may cause eye irritation with pain and/or redness

Skin Contact: repeated or prolonged contact may irritate skin, particularly in sensitive individuals

Inhalation: vapors may cause upper respiratory irritation resulting in coughing and sneezing, olfactory fatigue, labored breathing, and/or pulmonary edema

<u>Component</u>	<u>Acute toxicity, ingestion</u>	<u>Acute toxicity, absorption</u>	<u>Repeated dose toxicity</u>	<u>Developmental toxicity</u>	<u>Reproductive toxicity</u>	<u>Genetic toxicity</u>
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

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SECTION 12 – ECOLOGICAL INFORMATION

<u>Component</u>	<u>Aquatic Ecotoxicity</u>	<u>Terrestrial Ecotoxicity</u>	<u>Persistence & Degradability</u>	<u>Bioaccumulative Potential</u>	<u>Soil Mobility</u>	<u>Other Adverse Effects</u>
Ammonium Hydroxide	toxic to aquatic organisms	toxic to terrestrial organisms	considered biodegradable	low bio-accumulation potential	high potential soil mobility	none known

SECTION 13 – 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

SECTION 14 – TRANSPORTATION INFORMATION

<i>UN Number:</i>	n/a
<i>UN Proper Shipping Name:</i>	Not regulated in non-bulk containers
<i>Transportation Hazard Class(es):</i>	n/a
<i>Packing Group:</i>	n/a
<i>Environmental Hazards:</i>	n/a
<i>Transport in bulk:</i>	n/a (not shipped in bulk containers)
<i>Limited Quantity Exception possible:</i>	n/a

SECTION 15 – 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

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

SECTION 16 – 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.

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