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Telephone: (716) 895 1822

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SECTION 1. IDENTIFICATION

Product identifier used on the label
: **Ammonia Towelette**

Product Code(s) : (Premoistened towelette)

Recommended use of the chemical and restrictions on use
: Personal Care Applications
Restriction on use: None known

Chemical family : Mixture.

Name, address, and telephone number of the supplier:

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887 Kensington Avenue
Buffalo, NY, USA
14215
Supplier's Telephone # : 716-895-1822
24 Hr. Emergency Tel # : 1-800-255-3924

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Towelette saturated with a cream colored liquid. Ammonia odor.

This product is sold to consumers as a personal care item. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

Label elements

Signal Word

Not required

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Ethyl alcohol	Ethyl alcohol Ethyl hydrate	64-17-5	**<30**
Aqua ammonia	Ammonia	1336-21-6	**<10**

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SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation : Harmful effects are not expected under normal usage.

Skin contact : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

: None expected, when used as intended.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.

Unsuitable extinguishing media

: Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Flammable liquid and vapor.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable Liquids - Category 3

Hazardous combustion products

: Carbon oxides

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

Special fire-fighting procedures

: Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

Environmental precautions : Avoid release to the environment.

Methods and material for containment and cleaning up

: Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

: Not applicable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

Conditions for safe storage : Keep containers closed when not in use.

Incompatible materials : Strong oxidizing agents. Acids.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Ethyl alcohol	N/Av	1000 ppm	1000 ppm (1900 mg/m³)	N/Av
Aqua ammonia	25 ppm (Ammonia)	35 ppm (Ammonia)	50 ppm (Ammonia)	N/Av

Exposure controls

Ventilation and engineering measures
: None required under normal conditions.

Respiratory protection : None required under normal conditions.
Skin protection : None required under normal conditions.
Eye / face protection : None required under normal conditions.
Other protective equipment : None required when used as intended.
General hygiene considerations
: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Towelette saturated with a cream colored liquid.
Odour : Ammonia odor.
Odour threshold : Not available.
pH : >12
Melting/Freezing point : Not available.
Initial boiling point and boiling range
: Not available.
Flash point : 25.6°C (78.1°F)
Flashpoint (Method) : Closed cup
Evaporation rate (BuAe = 1) : Not available.
Flammability (solid, gas) : Not applicable.
Lower flammable limit (% by vol.)
: Not available.
Upper flammable limit (% by vol.)
: Not available.
Oxidizing properties : Not applicable
Explosive properties : Not explosive
Vapour pressure : 115 mmHg
Vapour density : Not available.
Relative density / Specific gravity
: 0.78-1
Solubility in water : Complete
Other solubility(ies) : Not available.

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Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: Not available.

Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Viscosity : Not available.
Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's)
: Not available.

Absolute pressure of container
: Not available.

Flame projection length : Not available.

Other physical/chemical comments
: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions
: Hazardous polymerization does not occur.

Conditions to avoid : Keep away from heat, sparks and open flames.
Incompatible materials : See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products
: See Section 5 (Fire Fighting Measures).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES

Routes of exposure skin absorption
: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation
: None expected, when used as intended.

Sign and symptoms ingestion
: None expected, when used as intended.

Sign and symptoms skin : None expected, when used as intended. Prolonged contact may produce chemical burns to affected skin areas.
Sign and symptoms eyes : None expected, when used as intended. Direct contact will result in severe irritation. Symptoms may include a burning sensation, pain, watering, and/or changes in vision (blurred vision).

Potential Chronic Health Effects
: None expected, when used as intended.

Mutagenicity : Not expected to be mutagenic.

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Carcinogenicity : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive effects & Teratogenicity
: This product is not expected to cause reproductive or developmental effects.
Sensitization to material : Not expected to be a skin or respiratory sensitizer.
Specific target organ effects : None expected, when used as intended.
Medical conditions aggravated by overexposure
: None reported by the manufacturer.
Synergistic materials : None reported by the manufacturer.
Toxicological data : See below for individual ingredient acute toxicity data.

Chemical name	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
Ethyl alcohol	> 32 380 ppm (61 mg/L) (vapour)	7060 mg/kg	> 15 800 mg/kg
Aqua ammonia	3670 ppm (rat) (Ammonia) 2115 ppm (mouse) (Ammonia)	350 mg/kg	N/Av

Other important toxicological hazards
: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : The product is not classified as environmentally hazardous. Avoid release to the environment.

Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethyl alcohol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.
Aqua ammonia	1336-21-6	8.2 mg/L (Fathead minnow)	N/Av	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethyl alcohol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.
Aqua ammonia	1336-21-6	0.66 mg/L (Daphnia magna)	N/Av	1

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ethyl alcohol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.
Aqua ammonia	1336-21-6	N/Av	N/Av	None.

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Persistence and degradability
: Not available.

Bioaccumulation potential : Not available.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Ethyl alcohol (CAS 64-17-5)	- 0.31	N/Av
Aqua ammonia (CAS 1336-21-6)	N/Ap	N/Ap

Mobility in soil : Not available.

Other Adverse Environmental effects
: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Dispose of in accordance with local regulations.
Methods of Disposal : Dispose of in accordance with local regulations.
RCRA : Not applicable.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	Special provision 47 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	Special provision A46 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	Special provision 216 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				

Special precautions for user : Appropriate advice on safety must accompany the package.
Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
: Not established.

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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethyl alcohol	64-17-5	Yes	None.	None.	No	N/Ap
Aqua ammonia	1336-21-6	Yes	1000 lb/ 454 kg	N/Ap	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Flammable; Acute toxicity; Skin irritation; Eye irritation. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethyl alcohol	64-17-5	Yes	Cancer (in alcoholic beverages) Developmental (in alcoholic beverages)	Yes	Yes	Yes	Yes	Yes	Yes
Aqua ammonia	1336-21-6	No	N/Ap	Yes	Yes	No	Yes	Yes	No

Canadian Information:

All components of this product are on the Canadian DSL list.
WHMIS Classification: See Section 2.

International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethyl alcohol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Aqua ammonia	1336-21-6	215-647-6	Present	Present	(1)-314	KE-01688	Present	HSR001526, HSR001517, HSR001516, HSR001563 (dilution)

SECTION 16. OTHER INFORMATION

Legend : ACGIH: American Conference of Governmental Industrial Hygienists

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CA: California
CAS: Chemical Abstract Services
CEPA: Canadian Environmental Protection Act
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CPR: Controlled Products Regulation
CSA: Canadian Standards Association
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
HMIS: Hazardous Materials Identification System
HPA: Hazardous Products Act
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
Inh: Inhalation
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
PPE: Personal Protective Equipment
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RQ: Reportable Quantity
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WEL: Workplace Exposure Limit
WHMIS: Workplace Hazardous Materials Identification System

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2017 version.
6. California Proposition 65 List - 2017 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

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Preparation Date (mm/dd/yyyy)

: 10/18/2017

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for: Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY 14215 Telephone: 1-716-895-1822 www.safetec.com	
Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) http://www.thecompliancecenter.com	

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