



THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 03/04/98

CURRENT AS OF: 5/27/15

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT NAME: 19.5% Aqua Ammonia Solution
PRODUCT USE: Fertilizer / chemical reagent
MFR INFO: 8086 E 900 S
Galveston, Indiana 46932
FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 891-2957
(574) 626-2522

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**HARMFUL IF SWALLOWED
HARMFUL IN CONTACT WITH SKIN
CAUSES SERIOUS EYE IRRITATION
HARMFUL IF INHALED
HARMFUL TO AQUATIC LIFE**

HAZARD CLASSIFICATIONS:

<u>HAZARD CLASSIFICATIONS:</u>	<u>CATEGORY</u>	<u>INTERPRETATION</u>
ACUTE TOXICITY	4	Low to Moderate
SKIN IRRITATION	2	Skin Irritation Possible
EYE IRRITATION	2A	Eye Irritation Possible
TARGET ORGAN SYSTEMIC TOXICITY	3	Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *KEEP OUT OF REACH OF CHILDREN*
- *READ LABEL BEFORE USE*
- *IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL ON HAND*
- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *WEAR PROTECTIVE GLOVES / CLOTHING; WASH CLOTHING BEFORE RE-USE*
- *IF ON SKIN, WASH WITH PLENTY OF SOAP AND WATER*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *WEAR EYE / FACE PROTECTION*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT*
- *WASH HANDS AFTER HANDLING*
- *IF SWALLOWED, RINSE MOUTH*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING MIST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Ammonium hydroxide solution	Aqua ammonia	1336-21-6	100.0

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Dilute with water. May be neutralized with dilute acetic acid. Collect spilled product and store to re-use, if possible. Contaminated product and/or environmental media should be recovered and disposed of properly. May be toxic to exposed organisms in the environment. Do not contaminate water bodies.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies.
PROTECTIVE EQUIPMENT:	See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120° F.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTIONEXPOSURE LIMITS:

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ammonia	35 mg/m ³	18 mg/m ³ 27 mg/m ³ (STEL)

WAL074 19.5% AQUA AMMONIA SOLUTION

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved full face respirator with ammonia cartridge up to 250 ppm; SCBA or supplied air respirator above 250 ppm ammonia
EYE PROTECTION:	Goggles or faceshield recommended
SKIN PROTECTION:	Long sleeves, rubber gloves recommended
VENTILATION:	Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Colorless liquid with strong ammonia odor
pH:	12.5 – 12.7
MELTING POINT:	Not applicable
BOILING POINT:	~ 220°F
FLASH POINT:	Not available
EVAPORATION RATE:	> 1
FLAMMABLE LIMITS:	LEL = 16% NH ₃ UEL = 25% NH ₃
VAPOR PRESSURE:	753 mm @ 25°C
VAPOR DENSITY:	0.59
SPECIFIC GRAVITY:	0.9275
SOLUBILITY (IN WATER):	Soluble; 89.9 g / 100 ml @ 0°C
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	1204°F (ammonia)
DECOMPOSITION TEMP:	Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Excessive heat
INCOMPATIBILITY:	Acids, halogens, acrolein, dimethyl sulfate
HAZARDOUS DECOMPOSITION PRODUCTS:	NO _x , NH ₃

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the eyes, skin, nose, throat, and respiratory tract, and may cause sore throat, coughing, shortness of breath, and increased pulse rate and blood pressure. Significant overexposure may result in severe skin burns / blisters, corneal ulcers, blindness, vomiting, and death.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL:	350 mg/kg (ammonium hydroxide)
DERMAL:	Not available
INHALATION:	Not available

WAL074 19.5% AQUA AMMONIA SOLUTION**SECTION 12: ECOLOGICAL INFORMATION**

Ammonia is harmful to aquatic life at very low concentrations. This product is not known to be persistent or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

UN Number:	2672
UN/DOT Proper Shipping Name:	Ammonia Solution
Transport Hazard Class:	8
Packing Group:	III
Marine Pollutant:	Yes
Warnings:	Corrosive; environmentally dangerous substance

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SARA SECTION 313: Ammonia listed

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	3
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

MSDS ID NO: WAL074

PREPARED BY: SS

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