

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **PACIFIC AMMONIA**

WHMIS CODE: D2B

Product Use: Household ammonia solution.

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN Number: Not Regulated

HMIS

2	Health
0	Flammability
1	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

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Canada: Canutec 613-996-6666

U.S.A.: Chemtrec 800-424-9300

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
AMMONIUM HYDROXIDE	1336-21-6	1.0-5.0	N/A	25 ppm
LD50 (oral rat)	350 mg/kg			
LD50 (dermal)	Not Available			
LC50	Not Available			

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear, colorless, irritating odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 10.5 – 12.0
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 0.99 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N/D **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Not flammable. Use extinguishing medias suitable for surrounding areas.
Unusual Fire and Explosion Hazards: None known.
Hazardous Combustion Products: Ammonia fumes.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not occur.
Incompatibility (material to avoid): Strong oxidizer.
Hazardous Decomposition Products: Ammonia fumes.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: Irritating to skin, eyes, and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis, respiratory disorder or lung damage.
Effects of Acute Exposure to Product: Product exposure can cause irritating or damaging to skin and eyes. Inhalation of mists may cause irritation and breathing difficulties. Ingestion may cause gastro-intestinal, abdominal discomfort, cough, vomiting, and collapse.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. Use a NIOSH/MSHA approved dust/mist respirator if product is misted/sprayed in confined areas.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Normally not required. If product mist/spray is possible at use, use chemical goggles, safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve clothing. Eyes wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and natural waters.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C. Keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

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THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE