

MATERIAL SAFETY DATA SHEET

Conforms to 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD)

WESTERN ENVIRONMENTAL SERVICES
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PRODUCT NAME: PRO-GROW

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SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms:

PRO-GROW

Chemical Name/Synonyms:

N/A

Chemical Family:

LIQUID FERTILIZER

Formula: **MIXTURE OF SALTS**

NFPA HAZARD IDENTIFICATION SYSTEM

HAZARD RATING

HEALTH	1	4 - Extreme
FLAMMABILITY	0	3 - High
REACTIVITY	0	2 - Moderate
		1 - Slight
		0 - Insignificant

SECTION II - HAZARDOUS INGREDIENTS

Substance	Approx. %	OSHA PEL	ACGIH TLV	CARCINOGENICITY			CAS No.
				NPT	IARC	OSHA	
Ammonium Hydroxide	<20.00	35 ppm	35 ppm	N	N	N	1336-21-6

SECTION III - PHYSICAL DATA

Boiling Point (°F): **212 +**

Vapor Pressure (mm Hg): **NOT DET.**

Vapor Density (air = 1): **NOT DET.**

Solubility in water: **SOLUBLE**

Appearance and Odor: **CLEAR, YELLOW LIQUID, CHARACTERISTIC ODOR**

Specific Gravity: **1.290**

% Volatile (volume %): **45**

Evaporation Rate (ether = 1): **> 1.0**

pH: **6.50**

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): **NONE**

(test method): **CLOSED CUP**

Flammable Limits in air (volume %)

Upper: **N/A** Lower: **N/A**

Extinguishing Media: **WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.**

Special Fire Fighting Procedure: **FIRE MAY PRODUCE HAZARDOUS FUMES. FIRE FIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.**

Unusual Fire and Explosion Hazard: **NONE**

SECTION V - REACTIVITY DATA

Stability: **STABLE**

Conditions to Avoid: **NONE**

Incompatibility: **STRONG ALKALIES**

Hazardous Decomposition Products: **THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON, AND NITROGEN.**

Hazardous Polymerization: **WILL NOT OCCUR**

Conditions to Avoid: **NONE**

SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value (TLV): **NOT ESTABLISHED**

Primary Route(s) of Exposure: **EYE, SKIN CONTACT, INGESTION, INHALATION**

Effects of Overexposure: **EYES: SEVERE IRRITATION, BURNS, TEARING. SKIN: IRRITATION, REDNESS WITH PROLONGED OR REPEATED EXPOSURE. INGESTION: SEVERE BURNS TO MUCOUS MEMBRANES, NAUSEA, CRAMPS, DIARRHEA. INHALATION: IRRITATION OF RESPIRATORY TRACT.**

Emergency and First Aid Procedures: **EYES: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. GIVE LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE PERSON TO FRESH AIR.**

SECTION VII - SPILL OR LEAK PROTECTION

Steps to be taken if Material is Released or Spilled: **PICK UP SPILLED MATERIAL ON ABSORBENT MATERIAL OR FLUSH AWAY WITH AMPLE AMOUNTS OF WATER.**

Waste Disposal Method: **CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.**

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: **USE WITH ADEQUATE VENTILATION. WEAR NIOSH/OSHA APPROVED RESPIRATOR TO PREVENT INHALATION OF SPRAY MISTS.**

Ventilation: Local Exhaust: **NOT REQUIRED**

Mechanical: **NOT REQUIRED**

Protective Gloves: **RUBBER GLOVES**

Eye Protection: **CHEMICAL GOGGLES**

Other Protective Equipment: **EMERGENCY SHOWER AND EYE WASH STATION**

SECTION IX - SPECIAL PROTECTION

Precautions to be Taken in Handling or Storage: **STORE IN A COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.**

Other Precautions: **KEEP OUT OF REACH OF CHILDREN**

SECTION X - REGULATORY INFORMATION

DOT Proper Shipping Name: **NONE**

DOT Class: **NONE**

DOT ID Number: **NONE**

DOT Packing Group: **NONE**

SARA/TITLE III - CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4): This product **does** contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304: **Ammonium Hydroxide (CAS No. 1336-21-6).**

SARA/TITLE III - List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355): This product **does not** contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 302 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product **does not** contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.