

# MATERIAL SAFETY DATA SHEET

PRO AMS PLUS

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Issue Date: 04/06

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

PRO AMS PLUS

Common Name: Nonionic surfactant.

Chemical Description: Aqueous solution, alkyl glucoside, oligosaccharides, ammoniated salts.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Independent Agribusiness Professionals

6177 N. Thesta St. Suite 103

Fresno, CA 93710

### Emergency Phone Number

Emergency Telephone: (800) 858-9300

## SECTION 2. HAZARDOUS INGREDIENTS

| CHEMICAL         | CAS NO.   | %    | TLV OR PEL | RQ (lbs) |
|------------------|-----------|------|------------|----------|
| Ammonium nitrate | 6484-52-2 | 9.99 | N.P.*      | N.P.     |

\* N.P. - Not Pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Brown liquid with slight ammonia odor. Avoid contact with strong acids, bases or oxidizers. Burning may generate ammonia gas, toxic nitrogen dioxide vapors and unidentified organic compounds in smoke. Not D.O.T. regulated.

HEALTH: 1    REACTIVITY: 0    FLAMMABILITY: 0    ENVIRONMENT: 1

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Seek medical attention immediately.

Skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin shows signs of irritation.

Ingestion: Drink 1 - 2 glasses of water to dilute and induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

|   |  |
|---|--|
| Flash Point:  | >200°F.  |
| Test Method:  | ASTM D-56.   |
| LEL Flammable Limits:                                     | Not pertinent.   |
| UEL Flammable Limits:                                     | Not pertinent.   |
| Autoignition Temperature:                                 | Not pertinent.   |
| Flammability Classification:                              | None.  |
| Known Hazardous Products of Combustion:                   | None.  |
| Properties that Initiate/Contribute to Intensity of Fire: | None.  |
| Potential For Dust Explosion:                             | None.  |
| Reactions that Release Flammable Gases or Vapors:         | Not known.   |
| Potential For Release of Flammable Vapors:                | None.  |
| Unusual Fire & Explosion Hazards:                         | Decomposition may generate ammonia gas, toxic nitrogen dioxide vapors.   |
| Extinguishing Media:                                      | Dry powder or CO <sub>2</sub> .  |
| Special Firefighting Procedures:                          | Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff. |

**SECTION 6. SPILLS AND LEAKS**

|              |  |
|--------------|--|
| Containment: | Prevent product spillage from entering drinking water supplies or streams. |
| Clean Up:    | Collect liquid or absorb onto absorbent material and package for disposal. |
| Evacuation:  | Not necessary.   |

**SECTION 7. STORAGE AND HANDLING**

|                          |   |
|--------------------------|---|
| Storage:                 | Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store in contact with alkaline materials, acids and/or oxidizing agents. Do not store near food or feeds. Do not stack pallets more than two (2) high. |
| Transfer Equipment:      | Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.   |
| Work/Hygienic Practices: | May cause eye and skin irritation.  |

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

|              |  |
|--------------|--|
| Eyes:        | Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.        |
| Skin:        | Impervious gloves and clothes.   |
| Respiratory: | Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710). |
| Ventilation: | Recommended but no TLV established.  |

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

|                                      |                      |
|--------------------------------------|----------------------|
| Appearance:                          | Brown liquid.        |
| Odor:                                | Slight ammonia odor. |
| pH:                                  | 6.0                  |
| Vapor Pressure:                      | Not available.       |
| Vapor Density (Air=1):               | >1.0                 |
| Boiling Point:                       | 106°C (223°F)        |
| Freezing Point:                      | Not available.       |
| Water Solubility:                    | Completely miscible. |
| Density:                             | 10.17 lbs./gal.      |
| Evaporation Rate:                    | <1.0                 |
| Viscosity:                           | Not available.       |
| % Volatile:                          | Not available.       |
| Octanol/Water Partition Coefficient: | Not available.       |
| Saturated Vapor Concentration:       | Not available.       |

**SECTION 10. STABILITY AND REACTIVITY**

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable.  |
| Conditions To Avoid:              | Avoid contact with strong acids, bases or oxidizers.   |
| Incompatibility:                  | Not available.   |
| Hazardous Decomposition Products: | Burning may generate ammonia gas, toxic dioxide vapors, and unidentified organic compounds in smoke. |
| Hazardous Polymerization:         | Will not occur.  |

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

|             |  |
|-------------|--|
| Eyes:       | Mild irritant. May cause redness and/or burning.   |
| Skin:       | Mild irritant, especially from prolonged exposure. May cause redness.  |
| Ingestion:  | None known but may cause dizziness, abdominal cramps, vomiting and diarrhea if large quantities are swallowed. |
| Inhalation: | None expected but aerosol mist may cause mild irritation of nasal mucous membranes.                            |

Subchronic Effects: None known.

Chronic Effects: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

|                                     |  |
|-------------------------------------|--|
| Algal/Lemna Growth Inhibition:      | Not known.   |
| Toxicity to Fish and Invertebrates: | Daphnia: The 48-hour EC <sub>50</sub> and 95% confidence interval were reported as 7.7 mg/L and 6.3 – 13 mg/L, respectively.<br>Rainbow Trout: The 96-hour LC <sub>50</sub> , and the 95% confidence interval were reported as >100 mg/L, not calculable, respectively. The 96-hour NOEC was 100 mg/L, the highest concentration tested. |
| Toxicity to Plants:                 | Not known.   |
| Toxicity in Birds:                  | Not known.   |

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

**SECTION 14. TRANSPORTATION**

|                             |  |
|-----------------------------|--|
| D.O.T.:                     | Not D.O.T. Regulated.  |
| Other Shipping Description: | Adhesives, Adjuvants, Spreaders or Stickers, Liquid.<br>NMFC Item 4612, LTL Class 60 |

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: Ammonium nitrate (9.0%).

PROPOSITION 65 (CA): None.

**SECTION 16. OTHER**

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. Independent Agribusiness Professionals does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which Independent Agribusiness Professionals assumes legal responsibility.