

DUMONT

Material Safety Data Sheet

Provided by:

The Dumont Company

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I. Chemical Product Identification

Product Name: AS 4000 **CAS Number:** N/A
Synonyms: Ammonium Sulfate Solution, 40%
Chemical Name: Ammonium Sulfate Solution, 40%
Emergency Phone: 800-330-1369 **Date of Issue:** 8/30/2006

II. Composition

Components	Percent	TLV-TWA
Inorganic Salt Solution	40%	N/A
Water	60%	N/A

III. Health Hazards

Eye contact: Possible irritation if exposed due to individual sensitivity.
Skin Contact: Possible irritation of exposed tissue due to individual sensitivity.
Inhalation: May cause irritation to nose, throat and respiratory tract.
Ingestion: May cause sore throat, abdominal pain, vomiting or diarrhea.
Chronic Health Effects: No known chronic health effects.

IV. First Aid Procedures

Eye Contact: Immediately flush eyes with water for at least 20 minutes. If irritation persists, consult a physician.
Skin Contact: Immediately flush skin with water for at least 20 minutes. Avoid spreading material on unaffected skin.
Inhalation: Remove to fresh air. Get medical attention for irritation or discomfort.
Ingestion: If conscious, give plenty of water and induce vomiting. Get medical attention.

V. Personal Protection Information

Respiratory Protection:	Wear a mask if aerosols are present.
Ventilation:	Area should be well ventilated
Skin Protection:	Wear gloves and other protection if skin is sensitive or a reaction occurs.
Eye/Face Protection:	Wear safety glasses, goggles or face shield. Contact lenses should not be worn.
Other Protection:	Eye bath and safety shower
Work Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water.

VI. Fire and Explosion Hazard

Flash Point:	Non-flammable
Extinguishing Media:	Use water spray or water flooding
Special Fire Fighting Procedures:	Protective clothing and a self-contained breathing apparatus should be worn by fire fighting personnel.
Unusual Fire and Explosion Hazards:	Dried material decomposes @ 455 F with emission of ammonia and sulfur trioxide. Explosion may occur if mixed with strong oxidizer.

VII. Measures for Accidental Release

In case of release or spill:	Contain as much spilled material as possible. Collect material and store in a dry area. Follow Federal, State and Local regulations for disposal.
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VIII. Handling and Storage

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials esp any strong oxidizers. Protect containers from physical damage.

IX. Physical Data

Boiling Point (°C):	>100C	Vapor Pressure (mmHG):	N/A
Solubility (H₂O):	Infinite	Vapor Density (Air=1):	N/A
pH Neat:	4.0—7.0	Specific Gravity (H₂O=1):	1.10 - 1.30

Appearance/Odor: Clear, odorless liquid

Evaporation Rate:

N/A

X. Reactivity

Stability: Stable at room temperature.

Incompatibility: Ammonium nitrate; Potassium chlorate, nitrite or alloy; strong oxidizers

Decomposition/Byproducts: Ammonia and sulfur trioxide at >455F.

Hazardous Polymerization: Will not occur

XI. Waste Disposal Method

Not a RCRA hazardous waste. Dispose of according to all Federal, State and local regulations.

XII. Transport Information

USA DOT Hazard Class: Not regulated

HMIS Hazard Rating

Health: 1

Fire: 0

Reactivity: 0

0 - Least

1 - Slight

2 - Moderate

3 - High

4 - Extreme

XIII. Other Information

SARA Title III/CERCLA:

Not regulated

Maximum Use Level for Potable Water (Standard 60): 60.0

TSCA (Toxic Substance Control Act), 40 CFR 710: N/A

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA. Disclaimer of Warranty

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