

HAZARD RATING: 4 - SEVERE 3 - SERIOUS 2 - MODERATE 1 - SLIGHT 0 - MINIMAL		<h1 style="margin: 0;">MATERIAL SAFETY DATA SHEET</h1>
Name: ARK Hy-Dis		
Product Number: HYDIS		EPA Reg. No. 1839-101-4189

SECTION I: Manufacturer Information

Manufacturer: M.D. Stetson Company, Inc. Address: 92 York Avenue Randolph, MA 02368 Telephone: 781-986-6161	Emergency Telephone: 1-800-535-5053 Date Prepared: 06/13/01 Supersedes Date: 10/05/98 Preparer: Jay C. Chapin
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SECTION II: Ingredients/Identity Information

Components	CAS Number	Percent	OSHA PEL	ACGIH TLV
n-Alkyl dimethyl benzyl ammonium chlorides	68391-01-5	0.8%	None established by OSHA or ACGIH	
n-Alkyl dimethyl ethyl benzyl ammonium chlorides	68956-79-6	0.8%		
Tetrasodium ethylene diamine tetra acetate	64-02-8	1.0%		
Nonylphenol polyethoxylated	9016-45-9	5.0%		
Tetra potassium pyrophosphate	7320-34-5	5.0%		
Sodium metasilicate, anhydrous	6834-92-0	2.4%		

SARA Section 313 Toxic Chemicals: None

SECTION III: Physical/Chemical Characteristics

Boiling Point: ca. 212°F	Vapor Pressure: 17.5mm @ 68°F	pH: 13.1
Specific Gravity: 1.072g/ml	Vapor Density: Heavier than air	
Solubility in Water: Complete	Evaporation Rate: Like water	
Volatile Organic %: 0%	Appearance and Odor: Yellow liquid with pine odor.	

SECTION IV: Fire and Explosion Hazard Data

Flash Point: Flame extention >200°F	Flammable Limits: Lower N/A
Extinguishing Media: Water solution, will not burn	Upper N/A
Special Fire Fighting Procedures: None	
Unusual Fire and Explosion Hazards: None	

SECTION V: Reactivity Data

Stability:

Unstable **Conditions to Avoid:** None known

Stable

Incompatibility (materials to avoid): Do not mix with chlorine bleach or acid cleaners.

Hazardous Decomposition or Byproducts: None known

Hazardous Polymerization:

May Occur **Conditions to Avoid:** None known

Will Not Occur

N/A - Not Applicable N/E - Not Established N/D - Not Determined ca. - Approximately

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SECTION VI: Health Hazard Data/First Aid Procedures

Routes of Exposure: Inhalation Eyes Skin Ingestion

Signs and Symptoms of Exposure

Acute: Inhalation of misted product causes irritation to mucous membranes. Corrosive to eyes. Irritates skin. Ingestion may be fatal (n-alkylammonium chloride LD50 366mg/kg). Throat irritation. Burning pain in mouth.

Chronic: No information

Carcinogenicity: NTP No IARC Monographs No OSHA Regulated No

Medical Conditions Generally Aggravated by Exposure: Existing dermatitis

Emergency First Aid Procedures

Inhalation: Move victim to fresh air. Give artificial respiration if victim is not breathing. Get medical attention.

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

Skin: Flush with water. Remove contaminated clothing. Get medical attention if irritation persists.

Ingestion: Drink milk, egg whites, gelatin solution or, if these are unavailable, drink plenty of water. Get medical attention. Note to physician: Probable mucosal damage may counterindicate the use of gastric lavage.

SECTION VII: Precautions for Safe Handling and Use

Handling and Storage: Keep out of reach of children. Store at ambient room temperature.

Release or Spill: Dike and Contain. Collect for disposal. Do not allow product into streams or bodies of water/drains. Product is toxic to fish.

Waste Disposal: This product is EPA/FIFRA registered and is under 40CFR disposal regulations.

SECTION VIII: Control and Protection Measures

Respiratory Protection: Do not breathe mist.

Ventilation: Ventilation recommended.

Protective Gloves: Use of protective gloves is recommended.

Eye Protection: ANSI approved chemical goggles required.

Other Protective Clothing or Equipment: None required.

Work/Hygienic Practices: Avoid contamination of food.

SECTION IX: Transportation (DOT Classification)

Hazard Class: Not DOT regulated.

Number:

SECTION X: Other Regulatory Controls

None

N/A - Not Applicable

N/E - Not Established

N/D - Not Determined

ca. - Approximately