

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY Hydromer AFC Solution # 506 Part A	Product Code: 2IKS01
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Section I

Manufacturer's Name Hydromer, Inc.	Emergency Telephone Number DAY OR NIGHT (CHEMTREC) (800)-424-9300
Address (Number, Street, City, State, and ZIP Code) 35 Industrial Parkway	For International Shipments call collect (703)-527-3887
Branchburg, NJ 08876	Telephone Number for Information (908) 526-2828
*This material has been classified as an EPCRA 313 Chemical and is subject to Section 313 reporting requirements	Date Prepared 9/13/2006

Section II - Ingredients/Identity Information

Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
*N-Methyl Pyrrolidone CAS# 872-50-4		100 ppm		
*Tertiary Butyl Alcohol CAS#75-65-0	100 ppm (1)	100 ppm (1)		
Diacetone Alcohol CAS# 123-42-2	50 ppm	50 ppm		

Notes: (1) OSHA TWA type test.

This Product is a class III composition of resins and organic solvents
with a flashpoint of 85° F

HMIS	
Health	1
Flammability	3
Reactivity	0
PPE	E

Section III - Physical/Chemical Characteristics

Boiling Point	81-172 C	Specific Gravity (H2O = 1)	0.905-0.915
Vapor Pressure (mm Hg)	unknown	Melting Point	unknown
Vapor Density (AIR = 1)	unknown	Evaporation rate (Butyl Acetate = 1)	unknown
Solubility in Water	None		
Appearance and Odor	Yellow, viscous liquid.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	85 F	Flammable Limits	NA	LEL	NA	UEL	NA
Extinguishing Media	Dry Chemical; Foam; CO2. Water may be ineffective.						
Special Firefighting Procedures	Full emergency equipment with self-contained breathing apparatus and full protective						
Clothing should be worn. Fight as flammable liquid fire. Use water to keep containers cool.							
Unusual Fire and Explosion Hazards	Keep away from heat, sparks and open flame.						

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid Heat flames and strong oxidizing agents.
	Stable	X	

Incompatibility (Materials to Avoid)
Strong oxidizing agents.

Hazardous Decomposition or Byproducts

By heat and fire: CO, CO2 and oxides of Nitrogen.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	X	X	X

Health Hazards (Acute and Chronic)

Vapors or mist may cause irritation, vomiting, dizziness, headache, nausea, fatigue,

irritation of respiratory system, GI irritation, CNS depression. May be accompanied

by coughing, choking or labored breathing. May cause skin and eye discomfort by defatting.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NA	NA	NA	NA

"Note: This product contains N-Methylpyrrolidone, a chemical known to the State of California to cause reproductive toxicity

Signs and Symptoms of Exposure

Skin contact may cause local redness. Eye contact may cause redness or swelling of conjunctiva.

Swallowing or inhalation may cause headache, vomiting, diarrhea, dizziness, drowsiness, nausea.

Medical Conditions

Skin or eye disorders and respiratory system disease.

Emergency and First Aid Procedure

Remove patient to fresh air. Administer oxygen or

artificial respiration. Obtain medical attention. EYES: Flush with water for 15 minutes.

Obtain medical attention. SKIN: Wash with soap and water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Evacuate personnel. Remove all ignition sources and ventilate. Notify appropriate

authorities if necessary. Wear personal protective equipment. Dike or impound spill.

Collect large spills for disposal. Extinguish any ignition source until area is safe.

Waste Disposal Method

Dispose in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storage

Store at moderate temperatures, in tight containers.

Keep away from heat, flame and sparks.

Other Precautions

Vapors may be ignited by static sparks. Use proper bonding and grounding during liquid

transfer as described in National Fire Protection Association document NFPA 77.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Self-contained breathing apparatus in high vapor concentrations.

Ventilation	Local Exhaust	Special
	Mechanical (General) X	Other

Protective Gloves

Wear Neoprene gloves.

Other Protective Clothing or Equipment

Eye bath, safety shower and protective clothing.

Work/Hygenic Practices

Wear safety glasses.

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IDENTITY Hydromere AFC Solution #506 Part B	Product Code: 2IKS02
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Section I

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	Date Prepared 9/13/2006

Section II - Ingredients/Identity Information

Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Free monomeric isocyanate			0.01 ppm	

This Product is a class III composition of resins and organic solvents
with a flashpoint of 385° F

HMIS

Health	2
Flammability	1
Reactivity	1
PPE	E

Section III - Physical/Chemical Characteristics

Boiling Point	114-117 C	Specific Gravity (H2O = 1)	1.11
Vapor Pressure (mm Hg)	unknown	Melting Point	unknown
Vapor Density (AIR = 1)	unknown	Evaporation rate (Butyl Acetate = 1)	unknown
Solubility in Water	None		
Appearance and Odor	Colorless to pale yellow, clear liquid.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	365 F	Flammable Limits	NA	LEL	NA	UEL	NA
Extinguishing Media	Dry Chemical; Foam; CO2. Water may be ineffective.						
Special Firefighting Procedures	Full emergency equipment with self-contained breathing apparatus and full protective						
Clothing should be worn. Fight as flammable liquid fire. Use water to keep containers cool.							
Unusual Fire and Explosion Hazards	Keep away from heat, sparks and open flame.						

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

By heat and fire: CO, CO2 and oxides of Nitrogen.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	X	X	X

Health Hazards (Acute and Chronic)

Vapors or mist may cause irritation, vomiting, dizziness, headache, nausea, fatigue,**irritation of respiratory system, GI irritation, CNS depression. May be accompanied****by coughing, choking or labored breathing. May cause skin and eye discomfort by defatting.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NA	NA	NA	NA

Signs and Symptoms of Exposure

skin contact may cause local redness. Eye contact may cause redness or swelling of conjunctiva.**swallowing or inhalation may cause headache, vomiting, diarrhea, dizziness, drowsiness, nausea.**

Medical Conditions

Skin or eye disorders and respiratory system disease.

Emergency and First Aid Procedure

Remove patient to fresh air. Administer oxygen or**artificial respiration. Obtain medical attention. EYES: Flush with water for 15 minutes.****Obtain medical attention. SKIN: Wash with soap and water.****Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Evacuate personnel. Remove all ignition sources and ventilate. Notify appropriate**authorities if necessary. Wear personal protective equipment. Dike or impound spill.****Residues may be decontaminated with water/alcohol mix or ammonia solution.**

Waste Disposal Method

Dispose in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storage

Store at moderate temperatures, in tight containers.**Keep away from heat, flame and sparks.**

Other Precautions

Vapors may be ignited by static sparks. Use proper bonding and grounding during liquid**transfer as described in National Fire Protection Association document NFPA 77.****Section VIII - Control Measures**

Respiratory Protection (Specify Type)

Self-contained breathing apparatus in high vapor concentrations.

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
	X	

Protective Gloves

Wear Neoprene gloves.

Other Protective Clothing or Equipment

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Work/Hygenic Practices

Wear safety glasses.