



MATERIAL SAFETY DATA SHEET

UNIVERSEAL HYDROSEAL

Section I - Product Identity

Product Name	Hydroseal
Product Use	Water-based Stone & Masonry Sealer
24-Hour Emergency Infotrac Number	352-323-3500
Date Prepared	May 1, 2008
Prepared By	Universeal Product Agencies, Ltd.

Section II - Hazardous Components/Composition Information

CHEMICAL NAME	CAS #	WEIGHT (%)	OSHA PEL TWA	ACGIH PEL TWA	NOTES
n-Methylpyrrolidone	872-50-4	2-3 %	Not established	Not established	SARA Section 313 AIHA WEEL 8 Hr TWA = 10ppm
Proprietary Fluorinated Polymer	Trade Secret	<3 %	Not established	Not established	This substance is on the TSCA inventory list.

Section III - Physical and Chemical Properties

Boiling Point	215 ° F	Vapor Pressure	185 torr @ 20 °C
Vapor Density (Air=1)	1	Specific Gravity (H ₂ O=1)	1.01
Weight per Gallon	8.4 lbs/gal	pH	7.5
Freezing Point	30 °F	Evaporation Rate (BuAc=1)	Slower than air
Percent Volatile	>95%	Solubility in Water	Miscible.
Appearance and Odor	Amber clear liquid with slight odor		

Section IV - Health-Hazards Identification

Carcinogenicity Listings:	NTP?	No.	IARC Monographs?	No.	OSHA Regulated?	No.
Eye Contact	Non-irritating to practically non-irritating					
Skin Contact	Slight to moderate irritation, prolonged or repeated exposure can result in defatting and drying of the skin which may result in skin irritation and dermatitis.					
Ingestion	May result in vomiting					
Inhalation	High vapor concentrations may result in Central Nervous System (CNS) depression. Aspiration into lungs must be avoided as even small quantities may result in aspiration pneumonitis.					

Section V - First Aid Measures

Eyes	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.
Skin	Remove clothing and shoes and wipe excess from skin. Flush skin with water. Follow by washing skin with soap and water. Do not reuse clothes until cleaned.
Ingestion	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs
Inhalation	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by a qualified person.
GET MEDICAL ATTENTION AS NECESSARY.	

Section VI - Fire-Fighting Measures

Flash Point (Method Used)	None	Autoignition Temperature	NA
Explosive Limits: Lower	NA	Upper	NA
Extinguishing Media	Water, carbon dioxide, foam, dry powder extinguisher.		
Special Firefighting Procedures	Do not inhale vapors from burning material.		
Unusual Fire and Explosion Hazard	Move containers from fire area if possible. Cool fire exposed containers with water well after fire is out to prevent possible ruptures.		
Combustion Products	Carbon dioxide, carbon monoxide, trace amounts of hydrogen fluoride.		
Firefighting Equipment	In case of fire, wear full protective clothing and NIOSH approved SCBA with full face mask, operated in the positive pressure mode.		

Section VII Accidental Release Measures

Small Spills	Prevent the spread of the spill. Ventilate area.
Large Spills	Contain the spill by building a dike of absorbent material. Collect the remainder of the spill with absorbent material and place in an approved drum for waste disposal. Flush area with water.

Section VIII - Stability and Reactivity

Stability	Stable	XX	Unstable	
Conditions to Avoid	Avoid heat, flame or prolonged storage at elevated temperatures.			
Incompatibilities	Strong oxidizers, strong acids, and halogenated hydrocarbons			
Hazardous Decomposition or By-Products	Will not occur			
Hazardous Polymerization	Will not occur		May Not Occur	XX

Section IX - Handling and Storage

Storage Requirements	Avoid excessive heat. Store out direct sunlight in a cool, well-ventilated area. Store separate from oxidizers, acids, and alkalis.
KEEP OUT OF THE REACH OF CHILDREN	

Section IX - Exposure Controls

Engineering Controls	Use proper ventilation to reduce inhalation.	
Personal Protection	Eyes	Wear chemical goggles where exposure to the eyes is possible.
	Skin	Wear chemical resistant gloves and protect skin from exposure to liquid.
	Ventilation	Provide adequate supply of fresh air.
	Respiration	Do not inhale vapors Use a NIOSH approved Organic Cartridge Respirator

Section XI - Toxicological Information

Inhalation and skin contact are expected to be the primary routes of occupational exposure. Based on single exposure animal tests, the product is considered to be no more than slightly toxic if swallowed and non-irritating to eyes and skin. n-Methylpyrrolidone is rapidly absorbed through the skin and repeated or prolonged skin contact may produce irritation, redness and dermatitis (inflammation of the skin) related to the removal of oils from skin, while overexposure to vapor may produce upper respiratory tract irritation.

Section XII - Ecological Information

The supplier of this product has not conducted ecological effect studies and no information on this or similar mixtures were found in a search of the scientific literature. However, the components of this material have been tested and the data is summarized below:

n-Methylpyrrolidone - Is highly toxic to daphnia magna (LC50 0.01-0.1 mg/l) and slightly toxic to fathead minnow (LC50 65.6 mg/l). Biodegradation studies in semi-continuous activated sludge treating and in a river die-away test show that n-Methylpyrrolidone is readily biodegradable with 95% degradation in 1-2 weeks.

Section XIII - Disposal Considerations

Dispose of any unused or empty container in accordance with local, state and federal regulations. Empty container may still contain product residues.

Section XIV Transportation Information

DOT Labeling	NA	Proper Shipping Name	This product is not regulated by DOT domestic ground transportation.
Hazard Class	NA	UN Number	NA
Packaging Group	NA	Guide Number	NA

Section XV - Regulatory Information

OSHA Compliance	This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.		
TSCA	Although components of this product find listing the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.		
SARA Title III Superfund	This material is classified as an immediate (acute) health hazard, delayed (chronic) health and fire hazard. n-Methylpyrrolidone is listed as a toxic chemical under, and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR 40 Part 372.		
CERCLA, State and Local Planning (Reportable Quantities)	Not required.		

We believe the information contained herein is accurate and current as of the date of this Material Safety Data Sheet. Nevertheless, the user must evaluate and determine whether the conditions for use and application of the product, including proper disposal thereof, are appropriate, safe, and legal.



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