



MATERIAL SAFETY DATA SHEET

(Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
Form approved OMB No. 1218-0072
OSHA 174 - September 1985

HMIS RATING

HEALTH	
FLAMMABILITY	
REACTIVITY	

IDENTITY:

HRF-4

WATLUBE

NFPA RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Marketer's Name Must Appear Below

DOT Shipping

Consumer Commodity ORM-D

Manufacturer's Name

Plastic Process Equipment, Inc.

Emergency Telephone Number

1-800-535-5053

Address

8303 Corporate Park Drive

Telephone Number for Information

1-216-367-7000

Macedonia, Ohio 44056

Date Prepared

08/16/07

Section 2- Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

Chemicals listed below are in PPM unless stated otherwise

	OSHA		ACGIH TLV		% Composition
	TWA	STEL	TWA	STEL	
	Hydrated Aluminumoxide (1344-28-1)	10 mg/m ³	N/A	10 mg/m ³	
Following chemicals are considered to be non hazardous.					
Antibacterial Agent (4080-31-3)	N/A	N/A	N/A	N/A	< 1
Methycellulose (9004-67-5)	N/A	N/A	N/A	N/A	< 1
Water	N/A	N/A	N/A	N/A	85 - 90

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet.

Section 3- Physical/Chemical Characteristics

Boiling Point (Range)	212 ° F	Specific Gravity (H ₂ O = 1)	1.0
Vapor Pressure @ 70°F	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Soluble	Appearance and Odor	White Colloidal Solution/Odorless

Section 4- Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	LEL	N/A	UEL	N/A
Extinguishing Media	N/A					
Special Fire Fighting Procedures	None					
Unusual Fire and Explosion Hazards	None					

Section 5- Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	X	
Incompatibility (Materials to Avoid) N/A			
Hazardous Decomposition or Byproducts Possible trace amounts of Phosgene, Hydrochloride if heated above 200 F			
Hazardous Polymerization	May Occur		Conditions to Avoid None.
	Will not Occur	X	

Section 6- Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute & Chronic) May cause irritation to eyes and nausea by ingestion.			
Carcinogenicity Presently, not on any list.	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure Inhalation- Difficulty in breathing. Skin- Redness. Ingestion- Vomiting.			
Medical Conditions Generally Aggravated by Exposure No known medical conditions are aggravated.			
Emergency and First Aid Procedures Give oxygen. Do not induce vomiting. Wash eyes and skin for 15 minutes. Get medical help.			

Section 7- Precautions for safe handling and use

Steps to be Taken in Case Material is Released or Spilled Clean spill with wet rags. Do not allow material to dry in place.
Waste Disposal Method Dispose as hazardous waste in accordance with EPA RCRA.
Precaution to be Taken in Handling and Storing Store below 100 F in cool dry place..
Other Precautions Assure cap is properly secured after opening bottle.
NFPA 30B Level

Section 8- Control measures

Respiratory Protection (Specific Type) Normally not needed.			
Ventilation	Local Exhaust Yes	Special None	
	Mechanical (General) None	Other None	
Protective Gloves Not required.		Eye Protection Safety glasses or goggles.	
Other Protective Clothing or Equipment Not normally required.			
Work/Hygienic Practices Wash hands after use. Discard contaminated leathergloves and shoes. Standard methods			