


Section #1 - Chemical Product and Company Identification	
Product Name:	paraform™ 189
Chemical Family:	Cationic Polyelectrolyte
Company Information:	Paradigm Chemical and Consulting, LLC 3619 Cantrell Industrial Court Acworth, GA 30101 (Office) 678 945-6742 (Fax) 678-945-7742 www.paradigmchemical.com email: sales@paradigmchemical.com
Emergency Phone:	INFOTRAC 1-800-535-5053 (24 Hour Emergency Number)
Section # 2 - Hazards Identification	
Hazard Pictograms:	
Signal Word:	Caution
GHS Classification:	Skin sensitization=Category 1, Eye irritation=Category 1,
Hazard Statement:	Eye Contact: May casue irritation
	Skin Contact: May cause irritation
	Ingestion: May cause nausea, vomiting, and diarrhea if swallowed. Seek immediate medical attention if discomfort continues.
	Inhalation: Avoid prolonged inhalation of heated vapors. May cause slight irritation to nose and throat.
Prevention:	Obtain special instructions before use. Do not handle until all safety precaustions have been read and understood. Use personal protective equipment as required. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling.
Section # 3 - Composition/information on ingredients	
<u>Hazardous Components</u>	<u>CAS #</u> <u>% By Weight</u>
NONE	
Section # 4 - First Aid Measures	
Eye Contact:	Flush with water for 15 minutes, holding lids open. Call a physician.
Skin Contact:	Flush thoroughly with water
Ingestion:	Not considered toxic but may cause nausea. Drink large volume of water and seek medical attention if discomfort continues.
Inhalation:	Move victim to fresh air. Consult physician regarding any continued discomfort.

Section # 5 - Fire and Explosion Data

Flash Point:	>212 degree's F by COC Method
Flammable Limit:	LFL: N/A UFL: N/A
Extinguishing Media:	Water spray, dry chemical foam, or carbon dioxide.
Fire Fighting Instructions:	Use self-contained breathing apparatus with full face-piece
Combustion Products:	Burning of the dried material can produce hydrogen chloride gas, nitrogen oxides, and carbon oxides.
Special Hazards:	None known

Section # 6 - Accidental Release Measures

Spill and Leak Procedures:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Remove spills promptly as they may make floors slippery. Several washes of and/or the use of detergents may be necessary to completely clean any spill. Incinerate or dispose of unadulterated product as a non-hazardous waste. Solidify and landfill according to local, state, and federal regulations.
Reportable Quantity:	None

Section # 7 - Handling and Storage

Handling:	Avoid eye contact. Avoid repeated or prolonged skin contact. Use proper PPE. Avoid breathing mist or vapor. Use only in a well ventilated area. Unvented containers may develop pressure. Open with caution. Wash hands thoroughly after handling. Eye wash stations and safety showers should be easily accessible to areas where product is used.
Storage:	Keep containers closed when not in use. For maximum storage life, store at temperatures below 90 degrees F (32.2 degrees C) Keep from freezing.

Section # 8 - Exposure Controls / Personal Protection

Eyes and Face:	Safety glasses with side-shields or chemical splash goggles.
Skin:	Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.
Respiratory:	Not needed under normal conditions of use.
Engineering Controls:	No special requirements. Product should be handled as an irritant.

Section # 9 - Physical and Chemical Properties	
Physical Appearance:	Light yellow clear liquid
Odor:	Mild
pH:	5.0-8.0
Boiling Point:	N/A
Freezing Point:	N/A
Specific Gravity:	1.1
Density:	9.17
Vapor Pressure (mm Hg):	N/A
Vapor Density:	N/A
% Volatile:	N/A
% VOC by EPA Method 24:	zero
Solubility in Water:	Soluble
Section # 10 - Stability and Reactivity	
Chemical Stability	This product is stable under the recommended storage conditions.
Conditions to Avoid:	None
Incompatibility with Other Materials:	Avoid contact with strong oxidizers
Hazardous Decomposition:	On thermal decomposition, oxides of carbon
Hazardous Polymerization:	Will not occur
Special Remarks:	None
Section # 11 - Toxicological Information	
Eye:	N/A
Dermal:	The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
Inhalation:	The product is not expected to toxic by inhalation.
Oral:	Rat: LD ₅₀ >5 g/kg
Chronic Effects:	Eye and skin irritant. May aggravate existing medical conditions such a as rashes, allergies, or other sensitive areas. Symptoms may include reddening, swelling of affected areas with possible itching, burning or other discomfort.

Section # 12 - Ecological and Environmental Information			
Ecological:	Not Available		
Environmental Fate:	The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.		
Section # 13 - Disposal Considerations			
Waste Disposal Method:	Product must be disposed of properly under Federal/State regulations for industrial waste.		
RCRA:	The product when spilled or disposed of is a non-hazardous waste as defined in RCRA regulations (40 CFR 261)		
Section # 14 - Transportation Information			
DOT:	Non-regulated		
Proper Shipping Name:	Non-regulated		
Hazard Class:	Non-regulated		
Identification Number:	Non-regulated		
Packing Group:	Non-regulated		
Reportable Quantity:	None		
Special Provisions for Transport:	Non-regulated		
Section # 15 - Regulatory Information			
TSCA:	All components of the product are listed on the Toxic Substance Control Act Inventory or are excluded from listing requirements.		
CERCLA/SARA	Not Applicable		
SARA Title III Section 313:	Not Applicable		
FDA Approvals:	21 CFR 176.170 and 21 CFR176.180		
Canada:	All components of the product are listed on the Canadian Domestic Substances List (DSL).		
Other Regulations:			
Section # 16 - Other Information			
<u>HMIS</u>	Health Hazard	1	<i>Note: Personal protective equipment (PPE) is related to conditions of use. Determination of PPE is the responsibility of the employer. Refer to Section #8 of this MSDS for recommendations</i>
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		
<u>IMPORTANT:</u>	<p>This MSDS was prepared and it to be used only for this product in its present form. This information is believed to be accurate and is compiled from sources believed to be reliable. Buyer assumes all risk of use, storage, and handling. Paradigm will not be liable for any claim relating to a party's use of or reliance on information and data contained herein. Paradigm makes no warranty of merchantability or other warranty of any kind, expressed or implied, with respect to this information and assumes no liability for any direct, incidental, or consequential damages resulting from its use.</p>		