

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: **F803H**

PRIMARY FUNCTION: Cationic polyacrylamide in water; in oil emulsion/flocculant

CHEMICAL FAMILY: Polymer

CHEMICAL NAME:

MANUFACTURER:

WATER SPECIALISTS TECHNOLOGIES LLC

1515 KASTNER PLACE

SANFORD, FL 32771 USA

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EMERGENCY 24/7 CONTACT:

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>(CAS #)</u>	<u>%WT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
Distillates (petroleum)	64742-47-8	20-25%	500 ppm		
Other components may be blended in this formulation. The precise composition is proprietary. Bona fide requests for disclosure to medical personnel must be made in accordance with the procedures in 29 CFR 1910.1200(i) 1-13.					

This MSDS contains valuable information critical to the safe handling and proper use of the product and should be retained and available for employees and other users of this product. This material is not classified as hazardous under OSHA regulations.

SECTION 3: HAZARDS IDENTIFICATION

EYES: May cause irritation and redness.

SKIN: May cause skin irritation.

INGESTION: See Section 4 below.

INHALATION: Mist or spray may cause irritation if inhaled.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek medical attention immediately.

SKIN: Remove contaminated clothing and shoes and flush affected area with water for at least 15 minutes. Wash with soap and water. If irritation persists seek medical attention. Wash or discard contaminated clothing and shoes.

INGESTION: Immediately rinse mouth with water. Do not induce vomiting. Drink milk or water to dilute. If vomiting occurs, drink more liquids. Seek medical attention.

INHALATION: If respiratory distress occurs, get into fresh air and, if needed, administer oxygen and start CPR. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: > 93°C (closed cup)

EXTINGUISHING MEDIA: CO₂, foam, chemical powders. Use water to cool containers and protect personnel. Avoid sprayed water due to slippery properties of wet product.

SPECIAL FIRE FIGHTING PROCEDURES: Dike area to prevent runoff and contamination of water sources.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Cover spilled liquid with absorption material.

LARGE SPILLS: Dike the spilled liquid and either pump into original container or cover with clay-type substance for adsorption.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

SECTION 7: HANDLING and STORAGE

HANDLING AND STORAGE: Protect drum from damage, freezing and intense heat.

OTHER PRECAUTIONS: Do not swallow. Wear protective eye goggles, gloves, boots and clothing.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

EYE PROTECTION: Wear chemical splash-proof goggles.

PROTECTIVE GLOVES: Wear chemical resistant gloves.

RESPIRATORY PROTECTION: None normally required.

VENTILATION: Always store and use all chemicals in well ventilated areas.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing and rubber boots suitable for protection from chemical products. Provide eye wash and safety shower stations.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: Aqueous phase approx. 100°C; oil phase approx. 175°C

SPECIFIC GRAVITY:

EVAPORATION RATE: Not available

VAPOR DENSITY: Similar to water

VAPOR PRESSURE: Similar to water

SOLUBILITY IN WATER: Complete; viscosity increases with concentration; avoid concentration above 0.5%

pH of NEAT SOLUTION: 3.0 – 4.0 (aq. sol. 0.5%)

APPEARANCE/ODOR: Opalescent to white liquid; slight hydrocarbon

SECTION 10: STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION:

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidants and strong reducing agents. Material reacts slowly with iron, copper and aluminum resulting in corrosion and product degradation.

HAZARDOUS DECOMPOSITION PRODUCTS: In case of combustion: development of CO, CO₂, NO_x, HCl, NH₃ and SO₂

SECTION 11: TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None noted.

SPECIAL NOTE: None of the components in this product are considered a carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION

Not classified as dangerous to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local environmental laws.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not regulated.

SECTION 15: REGULATORY INFORMATION

FEDERAL EPA

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):

Requires notification to the National Response Center of releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ) in 40 CFR 302.4. Components present in this product at a level which would require reporting under the statute are:

<u>Chemical</u>	<u>CAS Number</u>	<u>RQ</u>
NONE		

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355 (SARA 302, 304, 311 and 312) Components present in this product at a level which could require reporting under the statute are: Acute

Toxic Substances Control Act (TSCA) Status:

All components of this product are on the TSCA inventory

EPA Priority Pollutants: NONE

RCRA Hazard Class: If discarded - non-hazardous.

SECTION 16: OTHER INFORMATION

NFPA RATINGS: Health=1, Fire=1, Reactivity=0

NFPA HAZARD INDEX: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

LEGEND:

CAS Chemical Abstract Number
CERCLA Comprehensive Environmental Response, Compensation and Liability Act
CFR Code of Federal Regulations
DOT Department of Transportation
IARC International Agency for Research on Cancer
MSDS Material Safety Data Sheet
N/A Not Applicable
N/D Not Determined
NFPA National Fire Protection Association
NTP National Toxicity Program
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
SARA Superfund Amendments and Reauthorization Act
TSCA Toxic Substance Control Act
TLV Threshold Limit Value

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Users are responsible to determine the suitability of this product and to evaluate risks prior to use.