



## Safety Data Sheet

### 1. Product and company information

Name: **FM 186-2W, Hydrocarbon Mitigation Agent**

Manufacturer: Environmental Chemical Solutions

P.O. Box 2029

Gig Harbor, WA 98335

Tel: (877)253-2665 Fax: (253) 263-8037

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### 2. Hazards Identification

ROUTE OF ENTRY:

SKIN CONTACT.....PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION,

SKIN ABSORPTION.....A SINGLE PROLONGED SKIN EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. THE DERMAL LD50 HAS NOT BEEN DETERMINED.

EYE CONTACT.....MAY CAUSE IRRITATION

NO HAZARDS ANTICIPATED FROM SWALLOWING SMALL AMOUNTS INCIDENTAL TO NORMAL HANDLING OPERATIONS. LARGE AMOUNTS MAY CAUSE GASTROINTESTINAL IRRITATION.

EFFECTS OF ACUTE EXPOSURE.....SEE ABOVE

EFFECTS OF CHRONIC EXPOSURE.....NO RELEVANT INFORMATION FOUND.

### 3. Composition/information on ingredients

Water

Proprietary Blend of Ethoxylated Octylphenolic Surfactants

### 4. First aid measures

Emergency First Aid Procedures -

Eyes: Flush thoroughly with water for 15 minutes. Get medical attention.

Skin: Remove contaminated clothing. Wash exposed areas with soap and water. Wash clothing before reuse. Get attention if irritation develops.

Ingestion: Get medical attention.

Inhalation: None considered necessary.

## 5. Fire-fighting measures

T.D.G. FLAM. CLASS.....NOT REGULATED  
FLAMMABILITY.....NOT FLAMMABLE  
SPECIAL PROCEDURES.....WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.  
FLASH POINT (C), METHOD .....NONE  
AUTO IGNITION TEMPERATURE.....N.AV.  
UPPER FLAMMABLE LIMIT (% BY.....N.AP. VOL.)  
LOWER FLAMMABLE LIMIT (% BY.....N.AP. VOL.)  
**EXPLOSION DATA**  
EXPLOSIVE POWER.....N.AV.  
RATE OF BURNING.....N.AV.  
SENSITIVITY TO STATIC.....N.AV.  
DISCHARGE SENSITIVITY TO IMPACT.....N.AV.  
UNUSUAL FIRE AND EXPLOSION.....NONE  
HAZARDOUS COMBUSTION PRODUCTS....HAZARDOUS COMBUSTION PRODUCTS MAY INCLUDE AND ARE NOT LIMITED TO OXIDES OF NITROGEN

## 6. Accidental release measures

Precautions to be taken in Handling and Storage: Use good normal hygiene.  
Precautions to be taken in case of Spill or Leak -

Small spills. Soak up with absorbent materials.  
Large spills: dike and contain. Remove with vacuum truck or pump to storage/salvage vessel. Soak up residue with absorbent materials.

Waste Disposal Procedures: Dispose in an approved disposal area or in a manner that complies with all local, state, and federal regulations.

## 7. Handling and storage

AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.  
HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.  
**STORAGE NEEDS:**  
NORMAL STORAGE CONDITIONS. STORE AWAY FROM INCOMPATIBLE MATERIALS.

## 8. Exposure controls/personal protection

GLOVES/ TYPE.....IMPERVIOUS FOR SOLUTIONS OR WHERE CONTACT IS REPEATED

## 9. Physical and chemical properties

Flash Point:	None	Melting Point:	14F
Specific Gravity:	1.005 ±.01	Vapor Pressure mm/Hg:	NA
Pounds Per Gallon	8.38	Vapor Density Air 1:	NA
Solubility in Water	Complete	Reactivity with Water:	No
Viscosity	15 Centipoise	Surface Tension 5%:	29.1 Dyne/cm at 25°C
Evaporation Rate:	>1 as compared to Water	pH:	9.5 ±.75
Appearance:	Light Blue	Fire Extinguisher Media:	NA
Odor:	None	Fire Fighting Procedures:	NA

## 10. Stability and reactivity

Stability: Stable      Incompatible Substances: None known  
Polymerization: No      Hazardous  
Decomposition Products:  
NA

## 11. Toxicological information

Threshold limit values: NA

### Signs and symptoms of over exposure:

Acute: Moderate eye irritation. Skin: Causes redness, edema, drying of skin.

Chronic: Pre-existing skin and eye disorders may be aggravated by contact with this product.

Medical Conditions Generally Aggravated by Exposure: Unknown

Carcinogen: No

## 12. Ecological information

No relevant information found.

### Persistence and Degradability

Material is readily biodegradable. All surfactant components Passes OECD test(s) for ready biodegradability.

Aquatic toxicity is very low

### 13. Disposal Considerations

Dispose in accordance with local, state, and federal regulations

### 14. Transport information

DOT Class:	Not Regulated/Non Hazardous	Freeze Temperature:	14°F
Storage:	35°F-120°F	Freeze Harm:	None
Shelf Life:	Approximately one year unopened		

### 15. Regulatory information

The Information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application, which is not described on the Product label or in this Material Safety Data Sheet is the sole responsibility of the user. This Material Safety Data Sheet was prepared to comply with the OSHA Hazardous Communication Regulation.

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### 16. Other information

Generic Description: Water Based, Biodegradable, Wetting Agents & Surfactants  
HMIS Code: Health 0, Fire 0, Reactivity 0  
HMIS Key: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant  
D.O.T. Class: Not regulated; not hazardous  
Formula: Proprietary