

# MATERIAL SAFETY DATA SHEET

DATE OF ISSUE: April 1, 2005  
DATE OF LATEST REVISION: April 1, 2005  
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## SECTION 1: PRODUCT and COMPANY IDENTIFICATION

**PRODUCT NAME:** AF-12  
**PRIMARY FUNCTION:** foam control agent  
**CHEMICAL FAMILY:** defoamer / antifoam  
**CHEMICAL NAME:** water based organic emulsion

**MANUFACTURER:**  
WATER SPECIALISTS TECHNOLOGIES, LLC  
1515 KASTNER PLACE  
SANFORD, FL 32771 USA  
PHONE: 407-321-7910 FAX: 407-321-3098

**EMERGENCY 24/7 CONTACT:**  
CHEMTREC PHONE: 1- 800-424-9300

## 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>
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Proprietary blend on non-hazardous ingredients

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.

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

## SECTION 3: HAZARDS IDENTIFICATION

**EYES:** May cause slight eye irritation, redness, tearing, and/or blurred vision.

**SKIN:** May cause slight skin irritation upon repeated or prolonged contact. Defatting of the skin or irritation seen as local redness with possible mild discomfort.

**INGESTION:** May result in very slight nausea/intestinal discomfort such as diarrhea.

**INHALATION:** Not considered a hazard under normal use conditions.

## SECTION 4: FIRST AID MEASURES

**EYES:** Flush eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surfaces of the eye and lids with water. If irritation persists, seek medical attention and show MSDS.

**SKIN:** Wash exposed areas with copious amounts of fresh water. Remove contaminated clothing while washing continuously. Discard contaminated clothing and shoes.

**INGESTION:** Immediately rinse mouth with water. Do not induce vomiting. Drink two glasses of water to dilute. 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:** >177C (Pensky-Martins Closed Cup)
- EXTINGUISHING MEDIA:** Use carbon dioxide, dry chemical, foam, or water fog to extinguish flames. Water spray may be used to cool fire-exposed containers
- SPECIAL FIRE FIGHTING PROCEDURES:** Do not enter confined fire space without proper protective equipment including a NIOSH/MSHA approved self-contained breathing apparatus.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** Thermal breakdown of this product may produce oxides of carbon and hydrocarbon residues.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- SMALL SPILLS:** Solidify with absorbent, noncombustible material and place in labeled containers for disposal.
- LARGE SPILLS:** Dike the spilled liquid and either pump into original container or cover with adsorbent material.
- WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations. This material is not regulated by RCRA or CERCLA.
- SPECIAL PRECAUTIONS:** Remove spills promptly as they may make floors slippery. Several washes with water and/or detergents may be necessary to completely clean any spill.

## **SECTION 7: HANDLING and STORAGE**

- HANDLING AND STORAGE:** Ensure containers are properly secured prior to moving. Keep container closed during storage. Product should be stored in temperatures from 50-95F. Avoid contact with oxidizing materials.
- OTHER PRECAUTIONS:** Do not swallow. Avoid contact with eyes, skin, and clothing. Wear protective eye goggles, gloves, boots and clothing.

## **SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

- EYE PROTECTION:** Safety glasses with side shields are recommended as a minimum but chemical splash-proof goggles are preferred.
- PROTECTIVE GLOVES:** Wear chemical resistant gloves.
- RESPIRATORY PROTECTION:** None normally required. Use a NIOSH/MSHA approved air-purifying respirator if ventilation is unavailable.
- 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:** 212F  
**DENSITY:** 0.995g/ml  
**EVAPORATION RATE:** Not determined  
**VAPOR DENSITY:** >1mm Hg at 20C (air = 1mm Hg)  
**VAPOR PRESSURE:** Not determined  
**SOLUBILITY IN WATER:** Dispersible  
**pH of PRODUCT :** 8.0 – 9.0  
**APPEARANCE/ODOR:** Off-white opaque liquid with bland odor  
**VISCOSITY:** 800cP (Brookfield RVT)  
**POUR POINT:** 35°F

**SECTION 10: STABILITY and REACTIVITY**

**STABILITY:** Product is stable under normal conditions  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing agents, strong acids, and isocyanates  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**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**

None determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Discarded product is not considered hazardous waste under RCRA, 40CFR 261. Dispose of in accordance with federal, state, and local environmental laws. It is recommended that the waste be sent to a local treatment facility for disposal. Do not distribute, make available, furnish, or re-use empty container except for storage and shipment of original product.

**SECTION 14: TRANSPORT INFORMATION**

**DEPARTMENT OF TRANSPORTATION (DOT):** Not regulated  
**TRANSPORTATION OF DANGEROUS GOODS (TDG):** 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		

**SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION:**

No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

**SARA 302 Threshold Planning Quantity:** Not applicable  
**SARA 304 Reportable Quantity:** Not applicable  
**SARA 311 Categories:**

<b>Immediate (Acute) Health Effects –</b>	<b>No</b>
<b>Delayed (Chronic) Health Effects –</b>	<b>No</b>
<b>Fire Hazard –</b>	<b>No</b>
<b>Sudden Release of Pressure –</b>	<b>No</b>
<b>Reactivity Hazard –</b>	<b>No</b>

**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.

**FOREIGN INVENTORY STATUS:** Canadian DSL, EINECS

**WHMIS CLASSIFICATION (CANADA):** Not controlled

**SECTION 16: OTHER INFORMATION**

**HMIS RATINGS: Health=1, Flammability=1, Reactivity=0**

HMIS 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  
HMIS Hazardous Materials Identification System  
IARC International Agency for Research on Cancer  
MSDS Material Safety Data Sheet  
N/A Not Applicable  
N/D Not Determined  
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.