

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 19022-1513

Product: **F O A - 6 AF**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: G5912 - Rev 3.0 Date: 01/98  
Replaces - Rev 2.2 08/96  
Purpose - Inf. Update - Section 10

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: F O A - 6 AF  
Chemical Name/Synonym: PROPRIETARY BLEND  
Chemical Family: PETROLEUM SOLVENTS  
Formula: PROPRIETARY  
Product Code: G5912

#### HMIS

#### Hazard Rating:

#### Legend:

Health: 1 0 - Least  
Fire: 1 1 - Slight  
Reactivity: 0 2 - Moderate  
3 - High  
4 - Extreme

Product Description: Water Emulsifying Fuel Oil Additive

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point: > 416°F  
Vapor Pressure: < 0.1 (mmHg @ 68°F)  
Vapor Density: > 4.5 (AIR=1)  
Appearance: Clear amber liquid  
Evaporation Rate: < 0.1 (n-butyl acetate = 1)

Solubility in Water: < 0.02 @ 77°  
Specific Gravity: 0.961 (H<sub>2</sub>O=1)  
% Volatile by Volume: > 95%  
Odor: Strong aromatic hydrocarbon

### -- SECTION 03 - HAZARDOUS COMPONENTS --

CHEMICAL NAME	CAS #	% Range	OSHA PEL	ACGIH TLV [STEL]
*refined aromatic oil/solvent blend, containing:	64741-67-9	< 95	5 mg/m <sup>3</sup> (for mist) <sup>1</sup>	5 mg/m <sup>3</sup> [10 mg/m <sup>3</sup> ]
Naphthalene	64742-94-5 91-20-3	(14%)	Not Established 10 ppm	Not Established 10 ppm [15 ppm]

\* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

### -- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Specific Hazard: None (Product is at most a borderline 'combustible' by definition)  
Flash Point: 205°F (T.O.C.)  
Extinguishing Media: Small Fire: CO<sub>2</sub>, foam, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers.

### -- SECTION 05 - REACTIVITY DATA --

Stability: Stable.  
Incompatibility: Strong oxidizers.  
Hazardous Decomposition Products: Carbon monoxide may form upon thermal degradation.  
Hazardous Polymerization: Will not occur.

- Continued on following page -

**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container. Incinerate or dispose of unwanted liquid with waste oil.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT:..... May cause irritation, tearing and redness. Repeated/prolonged contact may cause eye damage. Do not wear contact lenses when handling this material unless covered with tight fitting goggles.  
SKIN CONTACT:..... Prolonged contact may cause dryness and dry skin irritation or dermatitis.  
INHALATION:..... High vapor or mist concentrations are irritating to the nose and throat, and can cause headache, dizziness, drowsiness, and unconsciousness.  
INGESTION: ..... Can cause severe gastrointestinal irritation, nausea and vomiting, and central nervous system depression. Material can enter lungs during swallowing or aspired during vomiting and cause lung inflammation and damage.  
EFFECTS OF OVEREXPOSURE: ..... Product contains aromatic hydrocarbons which by nature include polynuclear aromatic hydrocarbons (PAH). Some PAH have caused cancer in laboratory animals by oral, dermal, and inhalation routes of exposure.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.  
SKIN:..... Flush with water; wash with soap and water after handling. Remove contaminated clothing and launder.  
INHALATION:..... Remove to fresh air. Administer oxygen if overcome with concentrated vapors. Consult physician.  
INGESTION: ..... DO NOT INDUCE VOMITING - Seek medical attention. Never give anything by mouth to an unconscious person.

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION:..... Use only with adequate ventilation or wear proper respirator when adding to fuel oil.  
RESPIRATORY PROTECTION: ..... NIOSH /MSH approved respirator for is strongly recommended.  
PROTECTIVE CLOTHING: ..... Chemical resistant gloves when mixing or handling.  
EYE PROTECTION:..... Tight fitting or chemical workers goggle if splashing is anticipated.

**-- SECTION 10 SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not use near open flame or other source or ignition. Do not breathe vapors in unventilated, low enclosed areas. Keep containers tightly closed when not in use, and store in cool, dry areas.

D.O.T.: Shipping Information for 55 gallon drums: "Not Regulated by DOT" in containers of 119 gallons capacity or less containing less than 86 gallons per container.  
Shipping Classification for quantities exceeding 86 gallons per container, in containers with a capacity of 119 gallons or more: "Environmentally Hazardous Substance, Liquid, n.o.s., (methylnaphthalenes, liquid, naphthalene), 9, UN 3082, PG III, (Marine Pollutant)"

TSCA - The ingredients in this material are listed on the TSCA Inventory as a UVCB (Unknown, Variable Composition or Biological) chemical. SARA Title III Information (for naphthalene as a component of this material): A) Sections 311/312 - Delayed Health; B) Section 313 - Listed or Not Listed; C) Section 302 - Listed or Not Listed as an Extremely Hazardous Substance.  
CERCLA Information (for the naphthalene component): Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 100 lbs. Release to land, air or water of F O A - 6 AF would be in excess of 714 lb. to meet the RQ for reporting of naphthalene. However, the Clean Water Act (40 CFR 110) requires reporting of any discharge or spill that leaves a visible sheen on either surface water, or in waterways/sewers which lead to surface water to the National Response Center at 800-424-8802.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

The information herein is given in good faith, but no warranty, express or implied, is made.