SAFETY DATA SHEET
Essentially Similar to U.S Department of Labor Form OSHA
HMIS Health -1 Flammability-0 Reactivity-0
Revised Date: 04/21/2014

SECTION 1. - Product and Company Identification

Manufacturer: A.V.W. Inc.
P.O. Box 9962
Ft Lauderdale, FL 33310
954-972-3338

24 Hour Emergency Phone Number: 800-424-9300
Product Name: Fire Gone- Fire Suppressant
Product Numbers: FG-007-102; 2-FG-7209; 2-NBFG-2704; FG6-067-106;
FG24-247-102; FGC-1100; FGC6-1200; FGBSA-1300
Chemical Family: Surfactant mixture; fire fighting foam concentrate *Aqueous Film Foam*

SECTION 2. - Hazard Identification

This product was classified according to the GHS(Globally Harmonized System for classification and Labeling Chemicals) criteria

EU Risk (R) and Safety (S) Phrases –
R36/37/38 Irritating to eyes, respiratory system and skin.
S2 - Keep out of the reach of children
S24/25 - Avoid contact with skin and eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 - After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner
S36/37 - Wear suitable protective clothing and gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53 - Avoid exposure - obtain special instructions before use.
S46 - If swallowed, seek medical advice immediately and show this container or label.
EYE CONTACT: Immediate or delayed irritation or inflammation.
SKIN CONTACT: Immediate or delayed irritation or inflammation.
INHALATION: Exposure to this product in excess volumes may cause or aggravate other lung conditions. Exposure to this product may cause irritation to the nose, throat, and upper respiratory system.
INGESTION: Ingestion of large quantities may cause abdominal cramps, nausea, vomiting, diarrhea. Drink plenty of water. Do not induce vomiting. Seek medical attention.

SECTION 3. - Composition/ Information on Ingredients

Chemical Name Percentage CAS Number EC Number
Water CAS # 7732-18-5
Diethylene glycol butyl ether 112-34-5.
Proprietary Hydrocarbon Surfactants Trade Secret 2%
Fluorosurfactants Trade Secret
Xanthan Gum 3% CAS# 11138-66-2
Solvent (Proprietary) 8% Trade Secret
Some items on this MSDS may be designated as trade secrets (TS).

SECTION 4. - First Aid Measures

Eyes: Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Seek immediate medical attention.
Skin: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.
Ingestion: Do not induce vomiting without medical advice. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.
Inhalation: If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is difficult, give oxygen. If breathing as ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5. – Fire Fighting Measures

Flash Point:	no flash to boiling
Flammable Limits in air (lower % by volume)	not evaluated
Flammable limits in air (upper % by volume)	not evaluated
Auto-ignition Temperature:	not evaluated
General Hazards:	None known.
Fire Fighting Equipment:	Self contained breathing apparatus
Fire Extinguishing Media:	Water, Foam, Carbon Dioxide, Dry Chemical, Halon
Fire and Explosion Hazards:	Decomposition products may be toxic.

SECTION 6. – Accidental Release Measures

Containment of Spill: Dike or retain dilution water or water from firefighting for later disposal. Follow procedure described below under cleanup and disposal of spills. Use absorbent material and trade receptacle. Washing area with water will create large amount of foams.
Cleanup and Disposal of Spill: Vacuum or pump into an appropriate storage container. For smaller spills use absorbent materials and dispose of properly. Washing area with water will create large amounts of foam. Dispose of released and contained material in accordance with local, state, and federal regulations. Release to local waste treatment plant only with permission
Personal Protection Equipment: Eye Protection: When engaged in activities where product could contact the eye, wear safety glasses with side shields, goggles, or face shield.
Skin Protection: Skin contact should be minimized through use of latex gloves and suitable long sleeved clothing. Consideration must be given both to durability as well as permeation resistance.
Respiratory Protection: Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

SECTION 7. –Handling and Storage

Minimum/Maximum Storage Temperature: Store at temperatures of 35ºF - 120ºF. If aerosol can freezes, it may be thawed without loss of performance.
Handling: Use with adequate ventilation.
Storage: Store in an area that is dry, well ventilated and in closed containers.

Keep away from heat, open flames or other sources of ignition.

SECTION 8. - Exposure Controls, Personal Protection

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure techniques may be used to effectively minimize employee exposures.
Eye Protection: When engaged in activities where product could contact the eye, wear safety glasses with side shields, goggles, or face shield.
Skin Protection: Skin contact should be minimized through use of latex gloves and suitable long sleeved clothing. Consideration must be given both to durability as well as permeation resistance.
Respiratory Protection: Use local or general ventilation to control exposures below applicable exposure limits. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.
Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.
Work Practice Controls:
Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:
(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
(3) Wash exposed skin promptly to remove accidental splashes or contact with this material

SECTION 9. Physical and Chemical Properties

Appearance – amber liquid
Vapor Pressure – Not Evaluated
Odor – Very slight solvent odor
Density – Not Evaluated
Physical State – Liquid
Boiling Point – Not Evaluated
Specific Gravity (H2O=1) – 1.02
Melting Point – Not Evaluated
pH - 6.9 - 7.9
Solubility in Water – 100% Soluble
Flashpoint – No flash to boil
Odor threshold – Not Evaluated
Evaporation rate – Not Applicable
Flammability (solid/gas) – Not Applicable
Upper/lower flammability/explosive limits – Not Applicable
Auto ignition temperature - Not Evaluated
Decomposition temperature– Not Evaluated
Vapor density - Not Evaluated
Partition coefficient (n-octanol/water) – Not Evaluated

SECTION 10. Stability and Reactivity

Stability: Stable.
Conditions to avoid: Unintentional contact with water.
Hazardous Polymerization: Hazardous polymerization will not occur.
Incompatibility with other materials: Strong oxidizers
Hazardous Decomposition: Oxides of nitrogen, sulfur, carbon.

SECTION 11. Toxicological Information

ROUTES OF EXPOSURE:
EYE CONTACT: Immediate or delayed irritation or inflammation.
SKIN CONTACT: Immediate or delayed irritation or inflammation.
INHALATION: Exposure to this product in excess of the applicable TVL or PEL may cause or aggravate other lung conditions. Exposure to this product may cause irritation to the nose, throat, and upper respiratory system.
INGESTION: Ingestion of large quantities may cause abdominal cramps, nausea, vomiting, diarrhea. Drink plenty of water. Do not induce vomiting. Seek medical attention.
Acute Eye and Skin Toxicity Data: The toxicity of this product was not evaluated.
Toxicological Information and Interpretation:
Eye Irritation (Rabbit): Mild irritant
Skin Irritation (Rabbit): minimal irritant
Inhalation Toxicity: Not evaluated
Sensitization: Not evaluated
Teratology: Not evaluated
Mutagenicity: Not evaluated
Reproduction: Not evaluated
Acute Oral Effects (Rats): Not evaluated
Chronic Toxicity:
This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

SECTION 12. Ecological Information

Chemical Oxygen Demand: 280,000 mg/l 8,400 mg/l
Biological Oxygen Demand (20 Day) 200,000 mg/l 6,000 mg/l
Biodegradability (B.O.D./C.O.D.) 71% 71%
Total Organic Carbon: 8,200 mg/l 246 mg/l
LC50 (96 hour pimephales promelas) Not Determined Not Determined
LC50 (48 hour, daphnia magna) 757 mg/l 25230 mg/l

SECTION 13. Disposal Considerations

Waste Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Dispose of waste material according to local, state and federal regulations. Discharge to waste treatment facilities only with permission. Anti-foam agents may be used to reduce foaming in the waste streams. Do not incinerate. Dispose in accordance with local, state, and federal regulations. Discharge to waste treatment plants only with permission. Anti-foam agents may be used to reduce foaming in waste streams.

SECTION 14. Transportation Information

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

US Ground (DOT)
49 CFR (GND): Consumer Commodity, May be classed as LTD. QTY. ORM-D
ICAO/IATA (AIR): ID8000, Consumer Commodity, 9 (Packing instructions 910)
IMO/IMDG (water): UN1950, Aerosols, 2.2, Ltd Qty

TDGR (Canadian GND): Mark package “Limited Quantity" or "Quantité Limitée
ADR/RID (EU): UN1950, Aerosols, 2, Ltd Qty
GROUND TRANSPORT ONLY-Non-flammable
SPECIAL PROVISIONS: None

SECTION 15. Regulatory Information

FEDERAL REGULATORY STATUS:
Status under OSHA Hazard Communication Standard, 29 CFR 1910.1200: This product is considered a "hazardous chemical" under this regulation, and should be included in the employer’s hazard communication program.
SARA Title III Section 313 EPCRA Toxic Chemical Release Inventory (TRI) Reporting. 40 CFR 372: The following chemicals are listed:
Chemical CAS#
Diethylene glycol butyl ether (as Glycol ethers) 112-34-5.
Reportable Quantities Under the Clean Water Act, CERCLA, and EPCRA, 40 CFR 117, 302 and 355: The product contains no component regulated under section 304 (40 CFR 370).
Clean Air Act:
The following chemicals are listed) as a hazardous air pollutant (HAP):
Chemical CAS#
Diethylene glycol butyl ether (as Glycol ethers) 112-34-5.
Hazard Category and Applicability of EPCRA Hazardous Substance Inventory Reporting, 40 CFR 370: Not listed
Applicability of EPCRA Toxic Chemical Release Inventory (TRI) Reporting. 40 CFR 372:
Not subject to TRI reporting
Status Under the Toxic Substances Control Act, 40 CFR 710:
All chemicals comprising this product are listed or exempt on the TSCA Inventory.
SARA Title III Hazard Classes:
Fire Hazard: NO
Reactive Hazard: NO
Release of Pressure: NO
Acute Health Hazard: YES
Chronic Health Hazard: NO
STATE REGULATIONS:
California:
This product does not contain any components that are regulated under California Proposition 65.
Pennsylvania Right To Know Components
The following chemicals are listed:
Chemical CAS#
Diethylene glycol butyl ether (as Glycol ethers) 112-34-5.
INTERNATIONAL REGULATIONS:
Canadian Regulations:
Workplace Hazard Materials Information System (WHMIS)
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
WHMIS Classification - This product is not a "Controlled Product" under WHMIS.
Canada DSL/NDSL:
The following chemicals are listed:
Chemical CAS#
Diethylene glycol butyl ether 112-34-5.
Canada - Ingredient Disclosure List:
The following chemicals are listed:
Chemical CAS#
Diethylene glycol butyl ether 112-34-5.
All components are listed or exempt the following inventories:

Europe (EINECS): Yes

SECTION 16. Other Information

HMIS		
Health		1
Flammability		0
Reactivity/Physical hazard		0
PPE	Personal Protection rating to be supplied by user depending on use conditions.	

Abbreviations
CAS Chemical Abstract Services
NIOSH National Institute of occupational Safety and Health
OSHA occupational Safety and health Administration
TSCA Toxic Substances Control Act of 1976 USA
PEL Permissible Exposure Limits
TLV Threshold Limit value
WHIMIS Workplace hazardous Materials Information System\

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.