1% AFFF Foam Concentrate C103

Chemguard 1% AFFF is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 1% (1 part AFFF concentrate to 99 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 1% AFFF is not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

FEATURES

- U.L. Listed, Foam Liquid Concentrates
- U.L. recommended application rate on hydrocarbon type fuels is .10/gpm ft².
- Suitable for use with either fresh or salt water
- Excellent wetting characteristics when used in combating Class A fuel type fires
- Suitable for use with both air-aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 1% AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with dry chemical extinguishing agents.

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning system
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub-surface base injection system (hydrocarbon type fuels only)

APPLICATIONS

- Crash Fire Rescue
- Storage tanks(non-polar solvent type fuels only)
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

FOAM PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 1% AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance .....Slightly Yellow
Specific Gravity.....1.037
pH.....7.7
Viscosity.....8 cps

ENVIRONMENTAL IMPACT

Chemguard 1% AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F - 120°F (2°C - 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
C103P	5-Gallon Pail / 19 Liters	47 lbs.
C103D	55-Gallon Drum / 208 Liters	520 lbs.
C103BD	330-Gallon Tote / 1249 Liters	3120 lbs.

3% AFFF Foam Concentrate C303

Chemguard 3% AFFF is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 3% (3 parts AFFF concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 3% AFFF is not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

FEATURES

- U.L. Listed, Foam Liquid Concentrates
- U.L. recommended application rate on hydrocarbon type fuels is .10/gpm ft².
- U.L. Canada Listed
- Performance to ICAO, Doc. #9137, Part 1, Chapter 8, Level "B" verified
- Suitable for use with fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 3% AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub-surface base injection system (hydrocarbon type fuels only)

APPLICATIONS

- Crash Fire Rescue
- Storage Tanks(non-polar solvent type fuels only)
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 3% AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge devices, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance.....Clear Slightly Yellow
Specific Gravity.....1.020
pH.....7.7
Viscosity.....1.5 cps

ENVIRONMENTAL IMPACT

Chemguard 3% AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F - 120°F (2°C - 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
C303P	5-Gallon Pail / 19 Liters	45 lbs.
C303D	55-Gallon Drum / 208 Liters	495 lbs.
C303BD	330-Gallon Tote / 1249 Liters	3000 lbs.

6% AFFF Foam Concentrate C603

Chemguard 6% AFFF is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 6% (6 parts AFFF concentrate to 94 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 6% AFFF is not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

FEATURES

- U.L. Listed, Foam Liquid Concentrates
- U.L. Canada Listed
- Performance to ICAO, Doc. #9137, Part 1, Chapter 8, Level "B" verified
- U.L. recommended application rate on hydrocarbon type fuel is .10/gpm ft²
- Suitable for use with either fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both air-aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 6% AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with dry chemical extinguishing agents

PROPORTIONING

- Fixed or portable in-line eductor
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning system
- Around the pump proportioner
- Handline, air-aspirating nozzle with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for hand lines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub-surface base injection system (hydrocarbon fuels)

APPLICATIONS

- Crash Fire Rescue
- Storage Tanks(non-polar solvent fuels only)
- Truck/Rail loading or unloading facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

FOAM PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 6% AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance.....Clear Slightly Yellow
Specific Gravity.....1.011
pH.....7.5
Viscosity.....1.2 cps

ENVIRONMENTAL IMPACT

Chemguard 6% AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F-120°F (2°C - 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

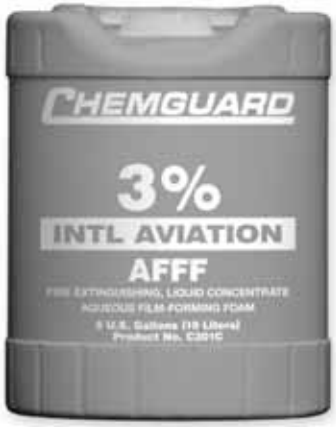
ORDERING INFORMATION & WEIGHTS

Part No:	Container	Weights
C603P	5-Gallon Pail / 19 Liters	45 lbs.
C603D	55-Gallon Drum / 208 Liters	495 lbs.
C603BD	330-Gallon Tote / 1249 Liters	3000 lbs.

DATA SHEET

3% AFFF; INTL AVIATION FOAM CONCENTRATE

CHEMGUARD



Description

CHEMGUARD 3% AFFF INTL AVIATION is a specially formulated synthetic aqueous film forming foam concentrate. This foam is intended for use at a proportioning rate of 3% (3 parts concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. AFFF type concentrates are not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

TYPICAL PROPERTIES AT 77 °F (25 °C)

Appearance	Clear Amber Liquid
Specific Gravity	1.03
Ph	8.0 - 8.5
Viscosity	2 - 5 cs

Features

- Rapid flame knockdown
- Suitable for use with fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel.
- Suitable for use with siliconized dry chemical extinguishing agents

Listings and Approvals

CAN/ULC-S560 Foam Liquid Concentrate

Application

- Aircraft Rescue Firefighting
- Storage Tanks (non-polar solvent fuels only)
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

DISCHARGE DEVICES

- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only)

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

Performance

FOAMING PROPERTIES

When this product is porportioned correctly, aspirating type discharge devices can generate expansion ratios between 6-10 to 1. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of Discharge Devices, flow rate and discharge pressure.

COMPATIBILITY

CHEMGUARD 3% AFFF INTL AVIATION. is compatible with any other comparable AFFF manufactured in accordance with and conforming to all performance requirements of CAN/ULC-S560 or any preceding version of this specification.

STORAGE

If kept in the original unopened and airtight CHEMGUARD supplied container and stored within the temperature range of 35 °F-120 °F (2 °C to 49 °C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with CHEMGUARD for storage guidelines.

Ordering Information

Part No:	Container	Weight
C301CP	5 gal (19 L)	47 lb
C301CD	55 gal (208 L)	520 lb

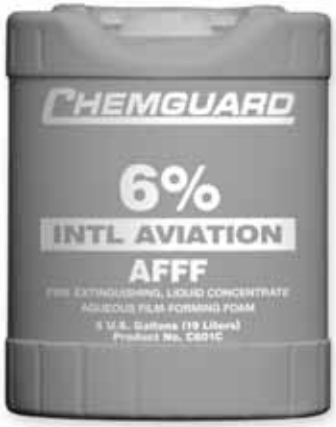
Environmental Impact

CHEMGUARD C30C is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to CHEMGUARD Technical Bulletin regarding foam products and the environment.

DATA SHEET

6% AFFF; INTL AVIATION FOAM CONCENTRATE

CHEMGUARD



Description

CHEMGUARD 6% AFFF INTL AVIATION is a specially formulated synthetic aqueous film forming foam concentrate designed specifically for Aircraft Rescue Firefighting This foam is intended for use at a proportioning rate of 6% (6 parts concentrate to 94 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. AFFF type concentrates are not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

TYPICAL PROPERTIES AT 77 °F (25 °C)

Appearance	Clear Amber Liquid
Specific Gravity	1.03
pH	7.8 - 8.2
Viscosity	2 - 5 cs

Features

- Rapid flame knock-down
- Suitable for use with fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel.
- Suitable for use with siliconized dry chemical extinguishing agents

Listings and Approvals

CAN/ULC-S560 Foam Liquid Concentrate

Application

- Aircraft Rescue Firefighting
- Storage Tanks (non-polar solvent fuels only)
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

DISCHARGE DEVICES

- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only)

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

Performance

FOAMING PROPERTIES

When this product is porportioned correctly, aspirating type discharge devices can generate expansion ratios between 6-10 to 1. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of Discharge Devices, flow rate and discharge pressure.

STORAGE

If kept in the original unopened and airtight CHEMGUARD supplied container and stored within the temperature range of 35 °F-120 °F (2 °C to 49 °C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with CHEMGUARD for storage guidelines.

COMPATIBILITY

CHEMGUARD 6% AFFF INTL AVIATION. is compatible with any other comparable AFFF manufactured in accordance with and conforming to all performance requirements of CAN/ULC-S560 or any preceding version of this specification.

Ordering Information

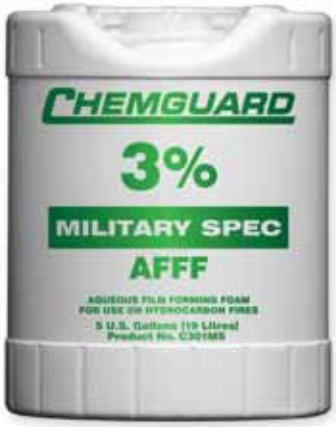
Part No:	Container	Weight
C601CP	5 gal (19 L)	47 lb
C601CD	55 gal (208 L)	510 lb

Environmental Impact

CHEMGUARD C601C is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to CHEMGUARD Technical Bulletin regarding foam products and the environment

3% AFFF; MILITARY SPEC FOAM CONCENTRATE

CHEMGUARD



Description

CHEMGUARD 3% AFFF Military Spec is a specially formulated synthetic aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. This foam is intended for use at a proportioning rate of 3% (3 parts concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. AFFF type concentrates are not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

TYPICAL PROPERTIES AT 77 °F (25 °C)

Appearance	Clear Slightly Yellow
Specific Gravity	1.08
Ph	7.9
Viscosity	7 cps

Features

- Military products are characterized by extinguishment speed
- Suitable for use with fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler systems
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. CHEMGUARD MS-AFFF concentrate is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents

Listings and Approvals

- U.L. Listed, Foam Liquid Concentrates
- U.L. recommended application rate on hydrocarbon type fuels is .10/gpm ft.^{2}
- FM Approved
- Both are listed on the QPL (Qualified Products List) for MIL-F-24385F. Subsequently these products conform to all performance and compatibility requirements.

Application

- Crash Fire Rescue
- Storage Tanks(non-polar solvent fuels only)
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only)

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

Performance

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge devices, flow rate and discharge pressure.

COMPATIBILITY

CHEMGUARD 3% AFFF Military Spec. is compatible with any other comparable AFFF manufactured in accordance with and conforming to all performance requirements of U.S. Military Spec Mil-F-24385F or any preceding version of this specification.

STORAGE
If kept in the original unopened and airtight CHEMGUARD supplied container and stored within the temperature range of 35 °F-120 °F (2 °C to 49 °C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with CHEMGUARD for storage guidelines.

Ordering Information

Part No:	Container	Weight
C301MSP	5 gal (19 L)	47 lb
C301MSD	55 gal (208 L)	520 lb
C301MSBD	330 gal (1249 L)	3120 lb

Environmental Impact

CHEMGUARD C301 is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to CHEMGUARD Technical Bulletin regarding foam products and the environment.

SUPERTRAIN, Training Foam CST

Chemguard Supertrain AFFF is a specially formulated, biodegradable, synthetic foam concentrate, which has been specifically developed to simulate AFFF during live fire TRAINING sessions on low vapor pressure hydrocarbon fuels. Supertrain AFFF has similar performance characteristics as an AFFF but with a shortened drain time which results in reduced burn back resistance. This feature allows more repeat fire training sessions. Because of the limited burn back resistance of the generated foam, it is recommended that no person be allowed within the hazard area during any training session until it has been declared safe by the training supervisor.

FEATURES

- Suitable at either 3% or 6% proportioning rate
- **TRAINING** foam only to simulate AFFF
- Suitable for use with fresh or salt water
- Suitable for use with air-aspirating and standard water fog nozzles
- If advertently frozen, thawing will render product completely serviceable
- Suitable for use with all siliconized dry chemical agents
- No raw materials within the concentrate are reportable or on any Federal Register

PROPORTIONING

- Fixed or in-line eductors
- In-line balanced pressure and pump pressure proportioning system
- Bladder tank balanced pressure proportioning system
- Handline air-aspirating nozzles with fixed eductor pickup tube
- Around the pump proportioning system

TYPICAL PROPERTIES

Appearance.....Colorless Liquid
Specific Gravity.....1.0
pH.....7.5
Viscosity.....2 cps

ENVIRONMENTAL IMPACT

Chemguard Supertrain AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Supertrain concentrate is not manufactured with any raw material that is listed as reportable on any Federal Register. Please refer to the Chemguard bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F–120°F, a shelf life of between 20-25 years can be expected. When stored in other than the Chemguard supplied container, please call for storage guidelines.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
CSTP	5-Gallon Pail / 19 Liters	45 lbs.
CSTD	55-Gallon Drum / 208 Liters	495 lbs.
CSTBD	330-Gallon Tote / 1249 Liters	3000 lbs.

3% AFFF Low Temperature Foam Concentrate C3LT

Chemguard 3% AFFF-LT is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 3% (3 parts AFFF-LT concentrate to 97 parts water) on Class "B" hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 3% AFFF-LT is not intended for use on fuels, which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

FEATURES

- U.L. 162, Foam Liquid Concentrates
- Suitable for use down to –20 degrees F
- U. L. recommended application rate on hydrocarbon type fuels is .10/gpm ft².
- Suitable for use with either fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler system
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 3% AFFF-LT is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub surface base injection system (hydrocarbon type fuels only)

APPLICATIONS

- Crash Fire Rescue
- Storage Tanks (non-polar solvent fuels only)
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 3% AFFF-LT is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge devices, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance.....Clear Slightly Yellow
Specific Gravity.....1.12 g/ml
pH.....7.2
Viscosity.....15 cps

ENVIRONMENTAL IMPACT

Chemguard 3% LT-AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of -20°F-120°F (-29°C- 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
C3LTP	5-Gallon Pail / 19 Liters	49 lbs.
C3LTD	55-Gallon Drum / 208 Liters	538 lbs.
C3LTBD	330-Gallon Tote / 1249 Liters	3280 lbs.

6% AFFF Low Temperature Foam Concentrate C6LT

Chemguard 6% LT-AFFF is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 6% (6 parts LT-AFFF concentrate to 97 parts water) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc. Chemguard 6% LT-AFFF is not intended for use on fuels which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

FEATURES

- Suitable for use down to –20 degrees F
- Suitable for use with either fresh or salt water
- Excellent wetting characteristics when used in combating Class "A" fuel fires
- Suitable for use with both aspirating foam and standard water fog nozzles
- Suitable for use with deluge or closed head foam water sprinkler system
- If inadvertently frozen, thawing will render product completely serviceable again
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard 6% LT-AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents
- U. L. recommended application rate on hydrocarbon type fuels is .10/gpm ft².

PROPORTIONING

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning systems
- Around the pump proportioners
- Handline, air-aspirating nozzles with fixed eductor pickup tube

DISCHARGE DEVICES

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High back pressure foam makers for sub surface base injection system (hydrocarbon type fuels only)

APPLICATIONS

- Crash Fire Rescue
- Storage tanks (non-polar solvent fuels only)
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 6% LT-AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge devices, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance.....Clear Slightly Yellow
Specific Gravity.....1.13 g/ml
pH.....7.7
Viscosity.....6 cps

ENVIRONMENTAL IMPACT

Chemguard 6% LT-AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to Chemguard Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of -20°F-120°F (-29°C- 49°C) a shelf life of between 20-25 years can be expected. When stored in other than the manufacturers supplied container, please check with Chemguard for storage guidelines.

ORDERING INFORMATION & WEIGHT

Part No:	Container	Weight
C6LTP	5-Gallon Pail / 19 Liters	49 lbs.
C6LTD	55-Gallon Drum / 208 Liters	538 lbs.
C6LTBD	330-Gallon Tote / 1249 Liters	3280 lbs.