

DATA SHEET #AFC015

NICEROL 6% Protein Foam

Description

Nicerol 6% is a cost-effective Protein (P) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon liquid fires.

Its unique formulation is based on protein foam technology. The protein base provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk.

- Stable long-lasting foam blanket for burn back resistance and post-fire security.
- Detergent-free.
- Excellent sealing action on hot metal surfaces.

Environment

Nicerol 6% is biodegradable and virtually non-toxic to aquatic organisms. It is based on a natural protein foaming agent and contains no harmful synthetic detergent or glycol ether.

Nicerol 6% can be successfully treated in biological waste water treatment systems.

Applications

Nicerol 6% is suitable for use in situations where hydrocarbon fuels such as crude oil, gasoline, and fuel oils are stored, processed, or transported. It provides a vapor-suppressing foam blanket on unignited hydrocarbon spills.

Performance

Nicerol 6% is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability.

Equipment

Nicerol 6% is intended for use as a 6% solution in water (6 parts concentrate to 94 parts water).

It is readily proportioned using conventional foam proportioning equipment such as portable and fixed in-line foam venturi proportioners, handline nozzles/branchpipes with pick-up tubes, balanced pressure variable flow proportioners, balanced pressure bladder tank proportioners, and around-the-pump proportioners.

Nicerol 6% should be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets, rimseal foam pourers, and foam/water sprinklers.

As with any foam Nicerol 6% is best applied gently on to the burning liquid surface.

Compatibility

Nicerol 6% is suitable for use in combination with:

- Soft or hard, fresh, brackish or sea water.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Nicerol 6% is not suitable for use in combination with:

- Dry powder extinguishing agents either separately or as twin agent systems.

Typical Physical Properties

Appearance	Dark Brown Liquid
Specific Gravity @ 68°F (20°C)	1.127
pH @ 68°F (20°C).....	7.3
Viscosity @ 68°F (20°C)	5.0 csks (5.0 mm ² /sec)
Maximum Usable Temperature.....	120°F (49°C)
Minimum Usable Temperature.....	20°F (-7°C)
Freeze Point	6°F (-14°C)
Effect of Freeze/Thaw.....	No Performance Loss

Storage

Nicerol 6% foam concentrate is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Ordering Information

CONTAINER	SHIPPING WEIGHT	PART NUMBER
5-Gallon Pails		
(19 liters)	50 lb. (22.7 kg)	2340-6
55-Gallon Drums		
(208 liters)	539 lb. (244.5 kg)	2481-6
275-Gallon IBC Reusable Tote Tank		
(1041 liters)	2728 lb. (1237.4 kg)	2725-6
Bulk	9.4 lb./gal (1.11 kg/l).....	2001-6

Palletizing of pails and drums is available upon request.

Shipping Cube

5-Gallon Pail.....	1.13 cu. ft. (0.032 cu. m.)
55-Gallon Drum	11.51 cu. ft. (0.326 cu. m.)
275-Gallon IBC Tote Tank	51.11 cu. ft. (1.061 cu. m.)

This information is only a general guideline. The company reserves the right to change any portion of this information without notice. Terms and conditions of sale apply and are available on request.

10/07 Rev. B Printed in USA AFC015.QXD

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