



## OTHER INFORMATION

PRODUCT CONTAINS ONLY BIODEGRADABLE SURFACTANTS ACCORDING TO AUSTRALIAN STANDARD AS 1792-1976

PAGE 2 OF 4

### MATERIAL SAFETY DATA SHEET

**PRODUCT NAME**      **FUEL MASTER**  
**AQUEOUS FILM FORM FOAM AFFF 6%**  
**(FOR FIRE FIGHTING APPLICATION)NOWA AUSTRALIA**

**NOWA AUSTRALIA**      **TEL: 08 8380 9976**  
**44 BRADY STREET**  
**VIRGINIA SOUTH AUSTRALIA 5120**  
**AUSTRALIA**

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

SHORT TERM EXPOSURE BY ALL ROUTES IS CONSIDERED NON-HARMFUL. PROPERTIES, NO EXPOSURE LIMITS ASSIGNED BY WORKSAFE AUSTRALIA.

SWALLOWED	INGESTION CONSIDERED VERY LOW TOXICITY
EYE	MILD IRRITANT
SKIN	NON-HARMFUL POSSIBLE MILD IRRITANT
INHALATION	NEGLIGIBLE VAPOUR PRESSURE AT AMBIENT TEMPERATURE MIST MAY BE MILD IRRITANT

### **FIRST AID**

SWALLOWED	GIVE PLENTY OF WATER OR MILK SEEK MEDICAL ADVICE IF NECESSARY
EYES	HOLD EYES OPEN AND FLUSH WITH WATER FOR 15 MINUTES SEEK MEDICAL ATTENTION IF ANY IRRITATION PERSISTS
SKIN INHALED	WASH AFFECTED AREA WITH AND WATER SEEK MEDICAL ATTENTION ANY EFFECT
ADVICE TO DOCTOR	TREAT SYMPTOMATICALLY

### **PRECAUTIONS FOR USE & SAFE HANDLING**

NOT CLASSIFIED AS DANGEROUS GOODS FOR STORAGE & TRANSPORT	
EXPOSURE LIMIT	NO VALUE ASSIGNED BY WORKSAFE AUSTRALIA
PERSONNEL PROTECTION	NOT REQUIRED
VENTILATION	NOT REQUIRED
FLAMMABILITY	NON-FLAMMABLE

## SPILLAGE AND DISPOSAL

SPILLAGE IS SLIPPERY  
SPILLAGE PRESENTS NO OTHER HAZARD  
FLUSH WITH WATER  
APPROVED FOR SEWAGE DISPOSAL-  
BIODEGRADABLE

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<p style="text-align: center;"><b>FUEL MASTER</b> <b>AQUEOUS FILM FORM FOAM AFFF 6%</b> (FOR FIRE FIGHTING APPLICATION)NOWA AUSTRALIA</p>
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PAGE 3 OF 4

## DESCRIPTION

**FUEL MASTER A.F.F.F.** is a liquid foam concentrate, which is mixed in controlled proportions with either fresh or salt water to produce a vapour suppressing film forming foam.

**FUEL MASTER A.F.F.F.** possesses the following properties, which are most effective in fighting fire:

1. *An Insulating Effect* The foam insulates the burning material, cutting it off from the flame zone. Being highly heat resistant, the foam prevents further heating from outside.
2. *A Blanketing Effect* Burning liquids are prevented from passing from the liquid to the gaseous phase. The flames are smothered and vapours are prevented from breaking through the foam blanket.
3. *A Cooling Effect* The temperature of the burning material is lowered and the combination rate is reduced.
4. *An Emulsifying Effect* The first layer of foam forms an emulsion with the burning liquid and thus becomes the base for the following foam blanket.

## PERFORMANCE

**FUEL MASTER A.F.F.F.** demonstrates superior extinguishing capabilities by possessing three decisive properties:

1. *Flow Properties* The ability of the foam to spread over a burning surface rapidly and to cover it. This shortens the extinguishing time.
2. *Burn Back Resistance* **FUEL MASTER A.F.F.F.** has resistance to the effects of flames and radiant heat e.g. when hot metal parts dry out the foam blanket, the insulating effect is maintained in order to prevent reignition.
3. *Gas Tightness* **FUEL MASTER A.F.F.F.** forms a foam blanket to prevent vapours breaking through and reigniting.

## APPLICATION

**FUEL MASTER A.F.F.F.** can be used in conjunction with all types of foam generation hardware. Can be used with other fire fighting foams. However, should not be premixed with other foams as this may inhibit forming capacity.

Compatible with suitable dry chemical extinguishing agents.

**FUEL MASTER A.F.F.F.** can be used in all situations where success in extinguishing the fire is of decisive importance in the avoidance of high material losses- airports, refineries, tank farms, shipping and military establishments.

**FUEL MASTER A.F.F.F.** is used to combat hydrocarbon liquid fires – mineral oil, petroleum products, jet fuels and all non-polar solvents.

PAGE 4 OF 4

# FUEL MASTER AQUEOUS FILM FORM FOAM AFFF 6%

## TECHNICAL DATA

<b>APPEARANCE</b>	PALE YELLOW LIQUID
<b>DENSITY</b>	1.01 + or – 0.02
<b>pH VALUE</b>	7.5 APPROX
<b>SURFACE TENSION</b>	18.5 APPROX
<b>VISCOSITY</b>	< 20mm <sup>2</sup> /sec.
<b>IONIC CHARACTER</b>	Contains Anionic & Amphoteric Surfactants
<b>SURFACE TENSION</b>	Concentrate 16mN/m Finished foam 6% 20mN/m
<b>PROPORTIONING</b>	6 Parts <b>FUEL MASTER AFFF</b> to 94 Parts Water. The best water for generating foam is rain water or drinking water. However treated water, river and sea water are all suitable.
<b>STORAGE</b>	<b>FUEL MASTER AFFF</b> is supplied in 20Litre and 200Litre Drums made from HDPE. Long term storage in tanks is recommended, tanks should be constructed from HDPE, fiberglass or stainless steel. Storage of the foam should be between 3 and 44 degrees C. Shelf life – as <b>FUEL MASTER AFFF</b> contains only synthetic materials – long term storage demonstrates high stability guaranteed shelf life <b>20 YEARS</b> minimum.
<b>ENVIRONMENTAL IMPACT</b>	The anionic surfactants in <b>FUEL MASTER AFFF</b> present minimal impact having low chemical and biological oxygen demand. Contains no heavy metals or phosphate based retardants.

*FOR FURTHER INFORMATION PLEASE CONSULT OUR TECHNICAL  
DEPARTMENT*

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