

MATERIAL IN 400 GAL TANKS IN 650

F. 02. 80

3M General Offices

3M Center
St. Paul, MN 55144-1000
612 733 1110

HAZ. MAT.

14-58
32192

MATERIAL SAFETY DATA SHEET

3M

DIVISION: SPECIALTY CHEMICALS DIVISION

TRADE NAME:

FC-603F 3M Brand Alcohol Type AFFF

3M ID NUMBER/U.P.C.: ZF-0002-0594-6 - - - ZF-0002-0685-2 - - -
ZF-0002-0901-3 - - - ZF-0002-0974-0 - - -
98-0211-6573-7 00-51135-10397-5 98-0211-6574-5 00-51135-10398-2
98-0211-7299-8 00-51135-10680-8

ISSUED: MARCH 3, 1995

SUPERSEDES: FEBRUARY 13, 1995

DOCUMENT: 05-5092-1

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	81.0 - 85.0
ETHANOL, 2-(2-BUTOXYETHOXY)-	112-34-5	7.0
ALKYL SULFATE SALT +(5890P)	TradeSecret	3.0 - 5.0
AMPHOTERIC FLUOROALKYLAMIDE		
DERIVATIVE +(5889P)	TradeSecret	1.0 - 3.0
THICKENER +(5891P)	TradeSecret	1.0 - 3.0
INORGANIC ACETATE SALT +(5892P)	TradeSecret	1.0 - 2.0
TRIETHANOLAMINE	102-71-6	0.1 - 1.0
PERFLUOROALKYL SULFONATE SALTS(5)		
+(5888P)	TradeSecret	0.1 - 1.0
N-(3-CHLOROALLYL)HEXAMINIUM		
CHLORIDE	4080-31-3	0.07
TOLYL TRIAZOLE	29385-43-1	0

NOTE: New Jersey Trade Secret Registry Number (EIN) 04499600-+
The ingredients of this product are included on TSCA.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:

ETHANOL, 2-(2-BUTOXYETHOXY)-
N-(3-CHLOROALLYL)HEXAMINIUM
CHLORIDE

2. PHYSICAL DATA

BOILING POINT:..... ca. 93.00 C
(Initial)
VAPOR PRESSURE:..... 30.4 mmHg
VAPOR DENSITY:..... 0.62 Air = 1
EVAPORATION RATE:..... < 1.00 Butyl Acetate = 1
SOLUBILITY IN WATER:..... complete
SP. GRAVITY:..... ca. 1.030 Water = 1
PERCENT VOLATILE:..... 90-91 %
VOLATILE ORGANICS:..... 72 gms/liter
VOC LESS H2O & EXEMPT SOLVENT 502 gms/liter
pH:..... ca. 8.50
VISCOSITY:..... 4500-5000 CPS
MELTING POINT:..... N/A
APPEARANCE AND ODOR: Translucent, amber colored liquid.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Setaflash
None (Setaflash CC)
FLAMMABLE LIMITS - LEL: N/A
FLAMMABLE LIMITS - UEL: N/A
AUTOIGNITION TEMPERATURE: ... N/A
EXTINGUISHING MEDIA:
Product is a fire-extinguishing agent.
SPECIAL FIRE FIGHTING PROCEDURES:
Not applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS:
See Hazardous Decomposition section for products of combustion.

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Not applicable.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Oxides of Sulfur, Hydrogen Chloride, Hydrogen Fluoride
Thermal decomposition of usage concentrations does not present a hazard.

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Observe precautions from other sections. Ventilate area. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Bleed spent solutions and small product quantities, <5 gal., to a wastewater treatment system. Reduce discharge rate if foaming occurs. Mix with flammable material and incinerate in an industrial or commercial incinerator. Combustion products will include HF. Disposal alternative: Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes. Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste No.: None

ENVIRONMENTAL DATA:

Chemical Oxygen Demand (COD) = 276 g/kg; 5-day Biochemical Oxygen Demand (BOD5) = 48 g/kg; 28-day Biochemical Oxygen Demand (BOD28) = 296 g/kg; Fathead minnow (*Pimephales promelas*) 96-hr LC50 = 750 mg/L; Water flea (*Daphnia magna*) 48-hr EC50 = >1000 mg/L; Microtox (*Photobacterium phosphoreum*) EC50 = 340 mg/L; Activated Sludge Respiration Inhibition EC50 = >1000 mg/L.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities

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5. ENVIRONMENTAL INFORMATION (continued)

before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID**EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Avoid eye contact with vapor, spray, or mist. Wear vented goggles.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber.

VENTILATION PROTECTION:

Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half-mask organic vapor respirator with dust/mist prefilter.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Store in a cool place. Store away from heat. Store out of direct sunlight. Keep container dry. Keep container in well-ventilated area.

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7. PRECAUTIONARY INFORMATION (continued)**FIRE AND EXPLOSION AVOIDANCE:**
Keep container tightly closed.

EXPOSURE LIMITS				
INGREDIENTS	VALUE	UNIT	TYPE AUTH	SKIN*
WATER	NONE	NONE	NONE NONE	
ETHANOL, 2-(2-BUTOXYETHOXY)-	35	ppm	TWA CMRG	
ALKYL SULFATE SALT +(5890P)	NONE	NONE	NONE NONE	
AMPHOTERIC FLUOROALKYLAMIDE DERIVATIVE +(5889P)	NONE	NONE	NONE NONE	
THICKENER +(5891P)	NONE	NONE	NONE NONE	
INORGANIC ACETATE SALT +(5892P)	NONE	NONE	NONE NONE	
TRIETHANOLAMINE	5	mg/m3	TWA ACGIH	
PERFLUOROALKYL SULFONATE SALTS(5) +(5888P)	0.1	mg/m3	TWA 3M	Y
N-(3-CHLOROALLYL)HEXAMINIUM CHLORIDE	NONE	NONE	NONE NONE	
TOLYL TRIAZOLE	NONE	NONE	NONE NONE	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route, including mucous membranes and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Moderate Skin Irritation: signs/symptoms can include redness, swelling, itching, and dryness.

Prolonged or repeated exposure may cause:

May be absorbed through the skin in harmful amounts.

INHALATION:

Pulmonary Edema: signs/symptoms can include coughing, congestion,

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8. HEALTH HAZARD DATA

(continued)

difficulty breathing, which can result in respiratory failure and death.

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Blood disorders: signs/symptoms can include prolonged weakness and fatigue.

Bone Marrow Depression: signs/symptoms can include prolonged weakness and fatigue.

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

Gastrointestinal Effects: signs/symptoms generally will include abdominal pain.

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE FEBRUARY 13, 1995 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

US00008171



3% Alcohol Type AFFF FC-603F

Technical Information

Description

FC-603F 3% alcohol type AFFF* is a synthetic firefighting foam concentrate designed for use at 3% concentration on both polar and hydrocarbon flammable liquids. Though primarily designed and recommended for use in fixed systems, FC-603F also performs well using conventional foam-making equipment. Also, FC-603F will provide excellent penetrating and wetting qualities when used on Class A fires, allowing extinguishment of deep-seated fires in wood, paper, rubber tires and other ordinary combustibles.

Typical Concentrate Properties

(Not for Specification Purposes)

Nominal use concentration	3% (polar and hydrocarbon flammable liquids)
Appearance	Amber thixotropic liquid
Specific gravity	1.03
Density	8.6 lbs./gal.
Viscosity @ 77°F (25°C)	4700 centipoise**
40°F (4.4°C)	5100 centipoise**
Minimum use temperature	35°F (1.7°C)
Storage temperature	35° - 120°F (1.7° - 49°C)
Freezing point	29°F (-2°C)
pH @ 77°F (25°C)	8

Applications

FC-603F 3% alcohol type AFFF is designed for both hydrocarbon and polar flammable liquid extinguishment using fresh or sea water and employing standard sprinkler systems. FC-603F also can be used effectively in a wide variety of firefighting foam application devices. Examples are foam chambers, forcing foam makers, and aspirating foam nozzles. In addition, practical applications have been demonstrated in a number of discharge devices such as non-aspirating sprinklers, water spray nozzles, and water/fog nozzles. FC-603F is UL listed on both hydrocarbon and polar solvent liquids through standard sprinkler heads. In addition, FC-603F is listed for use with handline nozzles and foam chambers for top side tank protection.

Features

Aqueous Film Formation: FC-603F at 3% proportioning has the ability to form an aqueous film which flows quickly over water-insoluble hydrocarbon fuel surfaces, causing rapid fire extinguishment and vapor suppression.

Polymeric Properties: FC-603F at 3% proportioning forms a membrane-like protective layer on water-soluble polar solvents (e.g., alcohols), protecting the foam blanket and enhancing fire suppression.

Proportions Readily: Even though FC-603F has a relatively high viscosity, it is very shear thinning and can be used with a wide variety of proportioning equipment. FC-603F is primarily recommended for fixed system proportioning. When an in-line, venturi-type proportioner is used, it is recommended that the device be tested to confirm that proportioning is accurate.

Solution Stability: Solutions of FC-603F do not present "transit time" limitations through handlines or in fixed systems.

*Aqueous Film Forming Foam

**Brookfield LV, #4 spindle, 30 rpm

Environmental/ Toxicological Properties

3M Brand AFFF concentrates undergo a program of ongoing testing to assess the impact of 3M firefighting foam on the natural environment. Data indicate that:

3M AFFF products are low in toxicity to tested aquatic organisms. (Toxicity information is available from Product Environmental Data sheets, Material Safety Data sheets and Toxicity Summary sheets for individual products.)

Aquatic life is not adversely affected when 3M AFFF products are used and disposed of properly.

3M AFFF products can be successfully treated in biological waste water treatment systems. (Request Product Environmental Data sheets and Disposal Recommendations from your 3M representative.)

Storage

When stored in accordance with the manufacturer's recommendations, 3M Brand FC-603F alcohol type AFFF has good stability. Unlike other 3M AFFF Concentrates, there are some limitations to its shelf life. Annual inspection of systems as prescribed in NFPA 11 is recommended. It should not be mixed with other agents.

Packaging

FC-603F is available in 5-gallon pails or 55-gallon drums.

Representative Locations

3M Corporate Headquarters
Fire Protection Systems
3M Center, Building 223-6S-04
St. Paul, MN 55144-1000
1 800 360 6777
612 733 6791 (FAX - Orders Only)

Anchorage
11151 Calaska Circle
Anchorage, AK 99515
907 522 5200

Honolulu
4443 Malaai Street (96818)
PO Box 30048
Honolulu, HI 96820
808 422 2721

Canada
3M Canada Inc.
1840 Oxford Street
PO Box 5757
London, Ontario, Canada N6A 4T1
519 451 2500
519 452 6262 (FAX)

24 Hour Emergency Service
612 733 1110

Important Notice to Purchaser: All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.** No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

FIKE PROTECTION SYSTEMS
LIMITED WARRANTY AND PURCHASER'S EXCLUSIVE REMEDY

PURCHASER'S LIMITED WARRANTY

- 1.- FIKE Protection Systems provides the following Limited Warranty to the *Original* Purchaser, from FIKE's Authorized Distributor, as follows: When the FIKE Clean Agent Fire Suppression System, and all its component parts, are properly installed *In Complete* accordance with the written instructions contained in the instruction manual and system drawings, or other data supplied with the FIKE Clean Agent Fire Suppression System, and when the Clean Agent Fire Suppression System has not subsequently been modified or altered, unless by express written instructions from FIKE Protection Systems, then the Clean Agent Fire Suppression System and its component parts and hardware, which have been manufactured by FIKE Protection Systems, and installed by an authorized FIKE Protection Systems Distributor, are warranted to be free from defects in materials and workmanship for a period of Five (5) years from the date of shipment of the FIKE Clean Agent Fire Protection System from FIKE Protection Systems, Blue Springs, Mo. FIKE Clean Agent Fire Suppression Systems that are NOT certified, as detailed above, will be subject to a maximum limited warranty of One (1) year from the date of shipment from FIKE Protection Systems.

PURCHASER'S EXCLUSIVE REMEDY

- 2.- The original purchaser's Sole and Exclusive remedy, unless varied by express, written agreement with FIKE Protection Systems, is as follows: Repair or replacement, at FIKE's option, of any defective part which is returned to FIKE Protection Systems within ninety (90) days of discovery of the defect. This warranty of repair or replacement shall be effective only if the following conditions are observed:
- (1) The *original* purchaser must maintain a semi-annual maintenance service agreement with an authorized FIKE Protection Systems Distributor, commencing with the date the FIKE Clean Agent Suppression System is accepted by the purchaser and placed into service. The service agreement shall remain in effect for the duration of the warranty.
 - (2) FIKE Form No. FPS-WR must be completed and returned to FIKE Protection Systems within Thirty (30) days of the commissioning of the FIKE Clean Agent Fire Suppression System.

Because of the deleterious effects of corrosion, heat, rust, dirt, debris and other factors of use and installation over which FIKE Protection Systems has no control, FIKE PROTECTION SYSTEMS MAKES *NO OTHER WARRANTIES OF ANY KIND, WHETHER EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR A PARTICULAR PURPOSE, BEYOND THOSE EXPRESSLY PROVIDED FOR IN THIS LIMITED WARRANTY.* These warranties shall be void where defects occur due to improper maintenance, installation, service, alterations and/or modifications subsequent to installation, not expressly authorized by FIKE Protection Systems, or intentional or negligent acts of the original purchaser or third parties.

NON-ASSIGN ABILITY OF WARRANTY

- 3.- The warranty, as set forth in these terms and conditions, may not be assigned, transferred, sold or alienated in any other way and extends only to the *original* purchaser.

DISCLAIMER OF CONSEQUENTIAL DAMAGES

- 4.- In *no* event shall FIKE Protection Systems be liable for any consequential or incidental damages (as the term " consequential damages " is used in Section 400.2 - 715 R.S.Mo.) arising from the purchase and/or use of a FIKE Clean Agent Fire Suppression System, including but not limited to: Damages resulting from loss of use of the FIKE Clean Agent Fire Protection System, the costs of replacing discharged Clean Agent, damages for lost profits or income, or damages for resulting harm to property other than the FIKE Clean Agent Fire Suppression System and its component parts or hardware.

FIKE PROTECTION SYSTEMS

LIMITED WARRANTY AND PURCHASER'S EXCLUSIVE REMEDY

SOME FACTORS INFLUENCING ENGINEERING DESIGN AND PRODUCT APPLICATION OF FIKE CLEAN AGENT
FIRE SUPPRESSION SYSTEM(S)

The following are some of the factors which influence engineering design and application of FIKE Clean Agent Fire Suppression Systems. In many cases these factors are difficult to accurately estimate and it is for these reasons that FIKE Protection Systems makes *no* warranties other than those specifically stated in this Limited Warranty.

- 1.- The FIKE Clean Agent Fire Suppression System has been designed to provide protection against fire, both existing and imminent, for a limited duration of time when: The system is fully operational; used in a normal, expected environment; the system and its component parts are properly installed, maintained, and operated in *complete* accordance with written instructions supplied with the system.
- 2.- The duration of protection against fire is dependent upon a sufficient concentration of Clean Agent being maintained in the protected hazard area for a pre-determined period of time. This duration will be shortened by conditions or circumstances which may ventilate or cause the agent concentration dilution within the protected hazard area thereby causing an insufficient concentration of Clean Agent as is needed to extinguish or prevent the existence or re-ignition of combustion or fire. All hazard areas have a different rate of ventilation, leakage or agent dilution which, in many cases, may be impossible to predict or determine. Air vents, air conditioning systems, gaps and cracks around doors, windows, cable and pipe penetrations etc. all may affect the agent concentration and the duration of protection against fire. Also, unforeseen changes in the configuration of a hazard area such as removal of a wall, an explosion or fire external to the protected space, changes in the room configuration, etc. can influence the duration of fire protection. It is because of these many, and varied, circumstances and conditions that FIKE Protection Systems makes *no* warranty as to the duration of protection against fire.
- The effectiveness of a Clean Agent, such as FM-200 and/or CO₂, as a fire extinguishant is directly related to the concentration of the Clean Agent required to extinguish various substances. Not all substances require the same Clean Agent concentration to be extinguished. Therefore, FIKE Protection Systems can only assume that the customer has properly defined the hazard area(s) being protected.
- The effectiveness of the FIKE Clean Agent Fire Suppression System is dependent upon the timely discharge of the Clean Agent fire extinguishant into the protected hazard area. If unforeseen circumstances such as an explosion, loss of power, failure of the fire detection system to activate the FIKE Clean Agent Fire Suppression System, failure to manually activate the system, etc. occur, they can prevent the system discharge from being accomplished in a timely manner and the fire may become deep seated, or out of control, and completely destroy the hazard area. Since FIKE Protection Systems has no control over these circumstances, there are *no* warranties as to the effectiveness of extinguishment of the fire other than those specifically stated in this Limited Warranty.

The FIKE Clean Agent Fire Suppression System may be totally dependent upon a fire detection system provided by others. The most important aspect of effective fire extinguishment being early detection of a fire condition, it is imperative that the FIKE Clean Agent Fire Suppression System only be utilized with a properly designed, engineered, installed and maintained fire detection system. Since the fire detection system greatly influences the timely discharge of the FIKE Clean Agent Fire Suppression System, FIKE makes *no* warranties as to the effectiveness of extinguishment of the fire other than those specifically stated in this Limited Warranty.

Even if the FIKE Clean Agent Fire Suppression System is completely effective in suppressing a fire, failure to remove the ignition source of the fire could result in a re-ignition of the fire. If possible, the source of the fire should immediately be eliminated to prevent this re-ignition. Protection against re-ignition only exists when a sufficient concentration of Clean Agent remains in the hazard area, as stated above.

Since the effectiveness of the FIKE Clean Agent Fire Suppression System depends on when, and under what circumstances, it is used, the judgment of operating personnel as to when to activate the FIKE Clean Agent Fire Suppression System, in an emergency, affects the protection provided by the system. Because of the widely varying conditions and circumstances under which the FIKE Clean Agent Fire Suppression System can be used, some conditions can cause its effectiveness to be unpredictable. Therefore, evacuation of personnel from the protected areas *must* be accomplished without delay.

**FIKE PROTECTION SYSTEMS
LIMITED WARRANTY AND PURCHASER'S EXCLUSIVE REMEDY**

TERMS

1. - **Prices** - Prices quoted by FIKE Protection Systems are subject to FIKE's adjustment to those prices in effect at time of shipment. For sales made subject to freight allowances, such allowances shall be limited to actual weight and, in the event of any increase or decrease in freight rates, a corresponding charge or credit shall be made thereto. All taxes presently, or hereafter, imposed on the manufacture, sale or delivery of any FIKE Protection System product ordered, including any increases of such taxes, shall be charged to the purchaser in addition to the prices herein set forth in FIKE Protection System's quotations.
2. - **Quotations** - FIKE Protection System quotations are not offers subject to the purchaser's acceptance, but are information upon which the purchaser may base his purchase order to FIKE. FIKE Protection System's quotations automatically expire thirty (30) days from the date of preparation, unless expressly stated otherwise.
3. - **Terms** - The terms for all sales are NET - 30 Days. All freight is FOB: Blue Springs, Missouri. Interest, at the lawful maximum rate, will be charged on all past due accounts.
4. - **Minimum Billing** - FIKE Protection Systems has a minimum charge of \$100.00 on all purchase orders processed for shipment.
5. - **Expediting Charge** - FIKE Protection Systems has an expediting charge of \$200.00 on all purchase orders received requiring "Rush" or "Special" handling.
6. - **Orders** - All purchase orders must be finally accepted by FIKE Protection Systems, at Blue Springs, MO., to be binding upon FIKE Protection Systems. All purchase orders and contracts are subject to FIKE Protection Systems credit approval and written acceptance. FIKE Protection Systems may, at any time, alter or suspend credit, refuse shipment or cancel unfilled orders when, in the opinion of FIKE Protection Systems, the financial condition of the purchaser warrants such action or when the purchaser is delinquent in any payment.
7. - **Shipping and Delivery Schedules** - Shipping and delivery dates are estimates only, based on current conditions and FIKE Protection Systems ability to secure labor, materials and parts. Where applicable, schedules are estimated from the date that the approved shop drawings are received from the purchaser. Delivery is subject to any and all requisitions, priorities, allocations, restrictions or controls now, or hereafter, established by any government entity. There shall be no penalty to FIKE Protection Systems for any delay without FIKE Protection Systems express, written agreement. FIKE Protection Systems shall not be liable for any delay in delivery, nor for failure to complete any order, if such delay or failure is due to fire, strikes or other labor troubles, accidents, transportation delays, shortages of materials or machinery, government action or any other cause beyond the control of FIKE Protection Systems. In the event of any such occurrences, FIKE Protection Systems may, at its election, cancel the order, or any part thereof.
8. - **Cancellation** - Orders accepted by FIKE Protection Systems that are canceled by the purchaser, the purchaser shall pay all costs, expenses, losses and damages sustained by FIKE Protection Systems in connection with such termination including administrative and engineering expenses. In addition, the purchaser agrees to pay a \$100.00 cancellation charge.
9. - **Return of Merchandise** - No FIKE Protection Systems products shall be returned to FIKE Protection Systems without securing a "Return Material Authorization (RMA)" number. All unused merchandise returned to FIKE Protection Systems shall be subject to a 25% restocking charge.
10. - **Shortages or Damages** - Purchaser's claims for shortages in deliveries must be made in writing within ten (10) days after receipt of shipment. Loss or damage to any FIKE Protection Systems product in transit is the sole responsibility of the carrier.
11. - **Patent Infringement** - If the purchaser's drawings or specifications infringe upon any patent or trade mark, FIKE Protection Systems will in *no* way be responsible for any claims or damages resulting from such infringement.