

# Material Safety Data Sheet

Product Name: CF-1

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Chemical Formula:** Mixture  
**Product Use:** Exclusion of moisture, waterproofing  
**Other Designations:** None

**Manufacturer/Supplier**  
AFL Telecommunications LLC  
170 Ridgeview Circle  
Duncan, SC 29334

Phone: 1-864-433-0333

### Emergency Information:

Technology Inc. – Bob Heinz: 724-239-4001 or 800-866-3941 ext. 5577 or 864-433-5577

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
Proprietary	Petroleum hydrocarbons	80-95
Proprietary	Fatty acids	5-10
Proprietary	Waterproof clay thickener	5-10

## \*\*\* Section 3 - Hazards Identification \*\*\*

### Emergency Overview

Grease. Amber. Slight odor. While not considered "flammable" or "combustible" as defined by OSHA or DOT, the material will burn if ignited. Can cause irritation of eyes and skin. If heated, vapors can cause irritation of respiratory tract.

### Potential Health Effects

#### Eyes

Can cause irritation.

#### Skin

Prolonged or repeated contact can cause irritation and dermatitis.

#### Ingestion

May cause gastrointestinal distress ranging from diarrhea to constipation.

#### Inhalation

If heated, vapors can cause irritation of respiratory tract, headache, nausea and other health effects listed below.

### Health Effects of Ingredients

**Petroleum hydrocarbons** Can cause irritation of skin. Skin contact (prolonged or repeated): Can cause dermatitis.

If the product is heated well above ambient temperatures, oil vapor or mist may be generated. **Oil vapor and mist** Can cause irritation of respiratory tract. Acute overexposures: Can cause bronchitis, asthma, headache, central nervous system effects (nausea, dizziness and loss of coordination) and drowsiness (narcosis).

### Medical Conditions Aggravated By Exposure to the Product

Skin rashes, and, if overheated, asthma and chronic lung disease.

## \*\*\* Section 4 - First Aid Measures \*\*\*

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## First Aid: Eyes

Flush eyes with plenty of water or saline . Consult a physician, if irritation persists.

## First Aid: Skin

Wash skin with soap and water. Consult a physician if irritation persists.

## First Aid: Ingestion

If swallowed, dilute by drinking large amounts of water. *Never give anything by mouth to a convulsing or unconscious person.* Do **not** induce vomiting. Consult a physician.

## First Aid: Inhalation

Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**Flash Point:** 464°F (240°C)

**Flash Point Method:** PMCC (Pensky-Martens Closed Cup)

## Flammable/Combustible Properties

While not considered "flammable" or "combustible" as defined by OSHA or DOT, the material will burn if ignited.

## Extinguishing Media

Use dry chemical, water spray (fog), foam or carbon dioxide extinguishing agents. Use water spray to minimize vapors and cool containers exposed to heat or flame. Move undamaged containers away from heat or flame, if possible. Heavy streams of water, when directed into burning liquid, will cause frothing and spread of burning material.

## Fire Fighting Equipment/Instructions

Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

## Small/Large Spill

Avoid eye and skin exposures. Recover using mechanical means. Absorb remainder with absorbent material.

## \*\*\* Section 7 - Handling and Storage \*\*\*

## Handling/Storage

Avoid eye and skin contact. Keep containers closed when not in use. Store away from heat, sparks, flames, oxidizers, and other incompatible substances.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

## Engineering Controls

Use with adequate ventilation to meet the limits listed in Section 8, Exposure Guidelines.

## Personal Protective Equipment

### Respiratory Protection

Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 8, Exposure Guidelines. Suggested respiratory protection: P95

### Eye Protection

Wear safety glasses/goggles to avoid eye contact.

### Skin Protection

Wear impervious gloves to avoid direct skin contact.

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## General

Minimize breathing **oil vapors and mist**. Remove grease contaminated clothing; launder or dry-clean before reuse. Remove grease contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period. Grease is readily removed from skin with waterless hand cleaners followed by a thorough washing with soap and water.

## Exposure Guidelines

### A: General Product Information

AFL recommends an Occupational Exposure Limit for Oil Mist of 0.5 mg/m<sup>3</sup> TWA.

### B: Component Exposure Limits

ACGIH and OSHA have an exposure limit of 5 mg/m<sup>3</sup> for oil mist. ACGIH has published an intent to change the oil mist exposure limits.

## \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

<b>Physical State:</b>	Grease	<b>Appearance:</b>	Amber
<b>Boiling Point:</b>	Not determined	<b>Melting Point:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Solubility in Water:</b>	Insoluble	<b>Specific Gravity:</b>	Not determined
<b>Density:</b>	Not determined	<b>pH Level:</b>	Not applicable
<b>Odor:</b>	Slight	<b>Odor Threshold:</b>	Not determined
<b>Octanol-Water Coefficient:</b>	Not determined		

## \* \* \* Section 10 - Chemical Stability & Reactivity Information \* \* \*

### Stability

Stable under normal conditions of use, storage, and transportation.

### Conditions to Avoid

Heat, open flame and contact with strong oxidizers.

### Hazardous Decomposition

Carbon monoxide, carbon dioxide and partially oxidized hydrocarbons.

### Hazardous Polymerization

Will not occur.

## \* \* \* Section 11 - Toxicological Information \* \* \*

### Health Effects of Ingredients

#### A: General Product Information

No information available for product mixture. See sections 3 and 8 for component hazards.

#### B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

### Carcinogenicity

#### A: General Product Information

No information available for product mixture. See below for component characterization.

#### B: Component Carcinogenicity

Mineral oils, highly refined; listed by IARC as a 3, not classifiable as to carcinogenicity to humans.

Listed by ACGIH as A4, not classifiable as a human carcinogen

## \* \* \* Section 12 - Ecological Information \* \* \*

### Ecotoxicity

#### A: General Product Information

No information available for product mixture. See below for component concerns.

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## B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data was found for this product's components.

## Environmental Fate

No information available for product mixture.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

#### Disposal Instructions

Reuse or recycle material whenever possible. Material may be disposed of at an industrial landfill. Material may be burned for fuel value.

#### US EPA Waste Number & Descriptions

##### A: General Product Information

RCRA Status: Not federally regulated in the U.S. if disposed of "as is". Otherwise, characterize in accordance with applicable regulations (40 CFR 261 or state equivalent in the U.S.)

##### B: Component Waste Numbers

RCRA waste codes other than described under Section A may apply depending on use of product. Refer to 40 CFR 261 or state equivalent in the U.S.

### \*\*\* Section 14 - Transportation Information \*\*\*

#### Special Transportation

	PSN #1	PSN #2	PSN #3	PSN #4
Notes:	(1)			
Proper Shipping Name:	Not regulated			
Hazard Class:	-			
UN NA Number:	-			
Packing Group:	-			
RQ:	-			
Other - Tech Name:	-			
Other - Marine Pollutant:	-			

#### Notes:

- (1) When "Not regulated", enter the proper freight classification, "MSDS Number", and "Product Name" on the shipping paperwork.

Canadian TDG Hazard Class & PIN: Not regulated

### \*\*\* Section 15 - Regulatory Information \*\*\*

#### US Federal Regulations

##### A: General Product Information

No information available for product.

##### B: Component Analysis

None of the components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### SARA 311/312 Physical and Health Hazard Categories:

Immediate (acute) Health Hazard: No

Delayed (chronic) Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure: No

Reactive: No

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## State Regulations

### A: General Product Information

No information available for product.

### B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

## Other Regulations

### A: General Product Information

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

### B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL or are listed but are proprietary.

### C: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS	AUST.	MITI
Petroleum hydrocarbons	Proprietary	Yes	Yes	Yes	Yes	No
Waterproof clay thickener	Proprietary	Yes	Yes	Yes	Yes	No

## \* \* \* Section 16 - Other Information \* \* \*

### MSDS History

Original: April 3, 1985

Supersedes: January 3, 2000

Revised: May 12, 2003, May 2, 2008, May 6, 2009

### MSDS Status

Reviewed on a periodic basis in accordance with AFL policy. Revised section 11.

### Prepared By

Hazardous Materials Control Committee

Preparer: Jon N. Peace, 412-553-2293

Revised by: Gerald Beaumont, 864-987-0800

### MSDS System Number

115709

### Other Information

\* Guide to Occupational Exposure Values-2003, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).

\* Documentation of the Threshold Limit Values and Biological Exposure Indices, Sixth Edition, 1991, Compiled by the American Conference of Governmental Industrial Hygienists, Inc. (ACGIH).

\* NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, June 1994.

\* Dangerous Properties of Industrial Materials, Sax, N. Irving, Van Nostrand Reinhold Co., Inc., 1984.

\* Patty's Industrial Hygiene and Toxicology: Volume II: Toxicology, 4th ed., 1994, Patty, F. A.; edited by Clayton, G. D. and Clayton, F. E.: New York: John Wiley & Sons, Inc.

\* Integrated Index(R), MICROMEDEX, Inc., 2003

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## Key-Legend:

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CPR	Cardio-pulmonary Resuscitation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
EINECS	European Inventory of Existing Commercial Chemical Substances
EPA	Environmental Protection Act
IARC	International Agency for Research on Cancer
LC <sub>50</sub>	Lethal concentration (50 percent kill)
LC <sub>10</sub>	Lowest published lethal concentration
LD <sub>50</sub>	Lethal dose (50 percent kill)
LD <sub>10</sub>	Lowest published lethal dose
LFL	Lower Flammable Limit
MITI	Ministry of International Trade & Industry
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PIN	Product Identification Number
PSN	Proper Shipping Name
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit
TCLP	Toxic Chemicals Leachate Program
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UFL	Upper Flammable Limit
WHMIS	Workplace Hazardous Materials Information System
atm	atmosphere
cm	centimeter
g, gm	gram
in	inch
kg	kilogram
lb	pound
m	meter
mg	milligram
ml, ML	milliliter
mm	millimeter
mppcf	million particles per cubic foot
n.o.s.	not otherwise specified
ppb	parts per billion
ppm	parts per million
psia	pounds per square inch absolute
u	micron
ug	microgram

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This is the end of MSDS # 486