

MATERIAL SAFETY DATA SHEETS

SECTION I – PRODUCT IDENTIFICATION

Manufacturer's Name: Uni Filter, Inc.

Emergency Phone No: 800-535-5053
INFOTRAC

Address: 1468 S. Manhattan Ave.

City, State, and Zip Code: Fullerton, CA 92831

Date: 3-01-2001

Rev. Date: 09-04-10

UFF-100

Product Category (Aerosol):Lubricant

Product Name: Filter Oil

Lab No.: ALP1029-04&07

HMIS CODE: HEALTH ----- (2)

FLAMMABILITY----- (4)

REACTIVITY----- (0)

PERSONAL PROTECTION---(G)

SECTION II – HAZARDOUS INGREDIENTS

INGREDIENT	%	OSHA PEL	TLV PPM	TLV MG/M3	LEL	CAS NUMBER
Aliphatic Petroleum Dist.	65-70	5.0 mg/m3		5.0		64742-54-7
Propane	15-20		1000			674-98-6
n-Butane	15-20		600			106-97-6

Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OR NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY & HEALTH.

SARA: These ingredients are subject to SARA TITLE III Section 313 reporting for superfund Amendments and Reauthorization Act of 1986 and CFR 40 part 372.

SARA: Aerosol products are subject to SARA TITLE III Section 312 reporting for Superfund Amendments and Reauthorization Act of 1986 and CFR 40 part 372.

Pursuant to Proposition 65: CERTAIN RAW MATERIALS USED IN MAKING THIS PRODUCT MAY CONTAIN SMALL AMOUNTS OF MATERIALS AS IMPURITIES WHICH ARE REGULATED BY PROPOSITION 65. SEE SECTION IX.

SECTION III - PHYSICAL DATA

Boiling Range: Propellant Bellow 0.0° F

Vapor Density:

Evaporation Rate Faster than ETHER
*Propellants

Percent Volatile
By Weight:

Weight Per
Gallon: 7.08

Maximum Incremental Reactivity:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Category: CONSUMER COMMODITY Flash Point: PROPELLANT BELOW 20° F LEL: SEE SECTION II
ORM-D (T.O.C.)

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

Fire and Explosion Hazards: DO NOT SPRAY NEAR OPEN FLAME. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR OTHER HEAT MAY CAUSE BURSTING.

Special Fire Fighting Procedures: WATER MAY BE INEFFECTIVE - WATER MAY BE USED TO KEEP FIRE CONTAINERS COOL.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: (SEE SECTION II HAZARDOUS INGREDIENTS)

Effects of Overexposure: IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN AND UPPER RESPIRATORY SYSTEM. OVER-EXPOSURE MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS AND POSSIBLE NAUSEA. HARMFUL OR FATAL IF SWALLOWED.

Chronic: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, ALSO KIDNEY AND LIVER DAMAGE.

Medical Conditions Prone to Aggravation by Exposure: NONE ESTABLISHED.

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Emergency and First Aid Procedures:

Breathing: REMOVE PATIENT TO FRESH AIR.
 Eyes: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
 Skin: WASH WITH SOAP AND WATER.
 Swallowing: CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

SECTION VI – REACTIVITY DATA

Stability: STABLE Conditions to avoid: DO NOT STORE ABOVE 120° F

Incompatibility: (NONE)

Hazardous Decomposition products: Burning produces CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: REMOVE ALL SOURCES OF IGNITION,
 VENTILATE, AVOID BREATHING VAPORS AND REMOVE WITH INERT ABSORBENT

Waste disposal method: DO NOT INCINERATE – DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND
 LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection: AVOID BREATHING OF VAPOR OR SPRAY MIST.

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.
 WHEN SANDING OR ABRADING THE DRIED FILM, WEAR A DUST/MIST RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST WHICH MAY BE GENERATED FROM THIS PRODUCT, UNDERLYING PAINT, OR THE ABRASIVE. THE APPLICABLE LIMITS FOR NUISANCE DUSTS ARE ACGIH TLV 10 mg/m³ (TOTAL DUST), OSHA PEL 15 mg/m³ (TOTAL DUST), 5 mg/m³ RESPIRABLE FRACTION).

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF ALL HAZARDOUS INGREDIENTS IN SECTION II BELOW ACCEPTABLE LIMIT, AND LEL IN SECTION II BELOW STATED LIMIT.

Skin Protective : Protective gloves and clothing are recommended when prolonged contact with the concentrated material may occur.

Eye Protection: FOR PROLONGED USE IN CLOSE QUARTERS RECOMMEND SAFETY GLASSES WITH UNPERFORATED SIDESHIELDS.

Other Protective Equipment:

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

DO NOT STORE ABOVE 120° F. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR HEAT MAY CAUSE BURSTING.

Other Precautions:

KEEP AWAY FROM CHILDREN.

DO NOT PUNCTURE OR INCINERATE.

DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

Pursuant to Proposition 65:

PROPOSITION 65 APPLIES TO A LIST OF CHEMICALS NAMED BY THE GOVERNOR OF CALIFORNIA AS CARCINOGENS OR REPRODUCTIVE TOXINS. WARNING REQUIREMENTS FOR SPECIFIC CHEMICALS TAKE EFFECT ONE YEAR AFTER THEY ARE ADDED TO THE GOVERNOR'S LIST. OTHER CHEMICALS ALREADY ADDED TO THE GOVERNOR'S LIST WILL BE REGULATED LATER UNDER PROPOSITION 65.

Notice to Reader

Reasonable care has been taken in the preparation of this information, but manufacturer makes no warranty of merchantability or any other warranty, express or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

MATERIAL SAFETY DATA SHEETS

SECTION I - PRODUCT IDENTIFICATION

Manufacturer's Name: Uni Filter, Inc.

Emergency Phone No: 1-800-535-5053
INFOTRAC

Address: 1468 S. Manhattan Ave.

City, State, and Zip Code: Fullerton, CA 92831

Date: 6-26-2001
Rev. Date: 09-04-2009

UFC-300
Product Category (Aerosol): General Purpose Degreaser
Product Name: Filter Cleaner

Lab No.: AD1012-01

HMIS CODE: HEALTH ----- (2)
 FLAMMABILITY----- (4)
 REACTIVITY----- (0)
 PERSONAL PROTECTION---(G)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	%	OSHA PEL	TLV PPM	TLV MG/M3.	LEL	CAS NUMBER
Aliphatic Petroleum Dist.	60-65	5.0 mg/m3		5.0		64742-47-8
Methyl Linoleate	>5					67784-80-9
Propane	15		1000			674-98-6
n-Butane	15		600			106-97-8

Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE OCCUPATIONAL SAFTY AND HEALTH ADMINISTRATION, OR NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY & HEALTH.

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SECTION III - PHYSICAL DATA

Boiling Range: Propellant Bellow 0.0° F Vapor Density:
 Evaporation Rate Faster than ETHER Percent Volatile Weight Per
 *Propellants By Weight: Gallon:6.9
 Maximum Incremental Reactivity:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Category: CONSUMER COMMODITY Flash Point: PROPELLANT BELOW 20° F LEL: SEE SECTION II
 ORM-D (T.O.C.)
 Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
 Fire and Explosion Hazards: DO NOT SPRAY NEAR OPEN FLAME. KEEP AT ROOM TEMPERATURE AS
 EXPOSURE TO DIRECT SUNLIGHT OR OTHER HEAT MAY CAUSE BURSTING.
 Special Fire Fighting Procedures: WATER MAY BE INEFFECTIVE - WATER MAY BE USED TO KEEP FIRE
 CONTAINERS COOL.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: (SEE SECTION II HAZARDOUS INGREDIENTS)
 Effects of Overexposure: IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC.
 IRRITANT TO SKIN AND UPPER RESPIRATORY SYSTEM. OVER-EXPOSURE MAY RESULT IN LIGHT-
 HEADEDNESS, STAGGERING GAIT, GIDDINESS AND POSSIBLE NAUSEA. HARMFUL OR FATAL IF
 SWALLOWED.
 Chronic: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS
 WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, ALSO KIDNEY AND LIVER DAMAGE.
 Medical Conditions Prone to Aggravation by Exposure: NONE ESTABLISHED.

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Emergency and First Aid Procedures:

Breathing: REMOVE PATIENT TO FRESH AIR.
 Eyes: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
 Skin: WASH WITH SOAP AND WATER.
 Swallowing: CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

SECTION VI – REACTIVITY DATA

Stability: STABLE Conditions to avoid: DO NOT STORE ABOVE 120° F

Incompatibility: (NONE)

Hazardous Decomposition products: Burning produces CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization: WILL NOT OCCUR

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: REMOVE ALL SOURCES OF IGNITION,
 VENTILATE, AVOID BREATHING VAPORS AND REMOVE WITH INERT ABSORBENT

Waste disposal method: DO NOT INCINERATE – DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND
 LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection: AVOID BREATHING OF VAPOR OR SPRAY MIST.

IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.
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Skin Protective : Protective gloves and clothing are recommended when prolonged contact with the concentrated material may occur.

Eye Protection: FOR PROLONGED USE IN CLOSE QUARTERS RECOMMEND SAFETY GLASSES WITH UNPERFORATED SIDESHIELDS.

Other Protective Equipment:

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

DO NOT STORE ABOVE 120° F. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR HEAT MAY CAUSE BURSTING.

Other Precautions:

KEEP AWAY FROM CHILDREN.
DO NOT PUNCTURE OR INCINERATE.
DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

Pursuant to Proposition 65:

PROPOSITION 65 APPLIES TO A LIST OF CHEMICALS NAMED BY THE GOVERNOR OF CALIFORNIA AS CARCINOGENS OR REPRODUCTIVE TOXINS. WARNING REQUIREMENTS FOR SPECIFIC CHEMICALS TAKE EFFECT ONE YEAR AFTER THEY ARE ADDED TO THE GOVERNOR'S LIST. OTHER CHEMICALS ALREADY ADDED TO THE GOVERNOR'S LIST WILL BE REGULATED LATER UNDER PROPOSITION 65.

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PART NO. UFF-16
FILTER OIL 220XX

FILTER OIL 220XX: is formulated to meet and exceed the standards established by the Uni Filter Corporation.

TYPICAL INSPECTIONS

ISO Grade	220
Viscosity SSU @ 100 deg. F	1,130
SSU @ 210 deg. F	95
Viscosity Index	91
Pour Point, deg. F	5
Flash Point, deg. F	520
Color, D-1500	6.5
Gravity, deg. API	26.6

MATERIAL SAFETY DATA SHEET

Section I: Chemical Product & Company Identification

Product Name: **Filter oil 220XX**
Product Category: Petroleum Lubricating Oil
Manufacturer: Rosemead Oil Products, Inc.
Street: 12912 Lakeland Road
City, State, Zip: Santa Fe Springs, CA 90670

Applies to All Grades
MSDS Form: APL
Issue Date: 3/6/96
Manufacturer Phone: 310 941-3261
Emergency Only (Chemtree): 800 424-9300

Section II: Components & Hazard Data

Components:	CAS Number(s):	Concentration:	Exposure Limit for Total Product
Petroleum Hydrocarbons	64742-54-7, 64742-65-0, 64742-58-1, 64742-62-7	94% or greater	5mg/m3 for oil mist for 8 hour work day
Proprietary Additives		6% or less	

Section III: Health Hazard Data

HMIS RATINGS: Health: 1 Fire: 1 Reactivity: 0 Personal Protection: See Sec. VIII

Route of Exposure:

Ingestion: Low order of toxicity. May cause irritation in very sensitive individuals.

Inhalation: No adverse affects on short term exposure.

Eyes: Expected to cause no more than mild irritation, except in very sensitive individuals.

Skin: Expected to cause no effects, except for prolonged exposure in sensitive individuals.

Emergency Overview: This product has a low order of toxicity and does not require a cancer hazard warning.

Section IV: First Aid Procedures

Ingestion: If ingested, DO NOT induce vomiting; call a physician immediately.

Inhalation: Remove to fresh air. If breathing becomes irregular or stops; give oxygen, start resuscitation and call a physician immediately.

Eye Contact: Flush with fresh water for at least 15 minutes. Call a physician if irritation persists.

Skin: Wash thoroughly after exposure. Launder contaminated clothing. See a physician if irritation or inflammation develops.

Section V: Fire & Explosion Hazard Data

NFPA RATINGS: Health: 1 Fire: 1 Reactivity: 0

Flashpoint: >300 deg. F, COC

LEL: No Data

UEL: No Data

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Spray (Fog) and Vaporizing Liquid

Special Fire Fighting Procedures: Use water spray, dry chemical, foam, or carbon dioxide to extinguish the fire.

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

Fire & Explosion Hazards: Vapors may ignite. Minimize breathing vapors, gases, fumes and decomposition products. Use proper protective equipment and self-contained breathing apparatus in confined and/or enclosed areas.

Products Produced From Thermal Decomposition: Fumes, smoke, carbon monoxide, sulfur oxides and toxic gases.

Section VI: Physical Data

The following data is typical, approximate data and should not be used for precise design purposes.

Boiling Range: >500 deg. F

Solubility (in water): Negligible

Physical Form: Oily Liquid

Vapor Density (air=1): >5

Evaporation Rate (water=1): <.01

Specific Gravity: .80 to .90

% Volatile by Volume: Negligible

Vapor Pressure: <.01 mm Hg @ 20 deg. C

pH: Neutral

Section VII: Reactivity Data

Stability: This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

Section VIII: Personal Protection & Exposure Controls

Respiratory Protection: Not usually required. Use supplied-air respiratory protection in confined or enclosed spaces, if needed. Supply sufficient ventilation so permitted exposure levels are not exceeded.

Skin Protection: Use chemical resistant gloves, aprons, shoes, etc. to avoid prolonged and repeated skin contact. Launder soiled clothing before reuse.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Hygienic Practices: Wash thoroughly before meals, breaks, and at the end of work period. Remove contaminated clothing and launder before reuse. Product is readily removed from skin by waterless hand cleaners, followed by washing thoroughly with soap and water.

Storage & Handling Practices: Do not alter or pressurize container. Do not store or use near any source of ignition or strong oxidizers.

Section IX: Transportation Information

U.S. DOT Shipping Description, Label, Number, Class: None, Not Regulated. For transportation spill, refer to latest DOT Emergency Response Guidebook for Hazardous Materials Incidents.

Section X: Environmental Information

Spill or Release Information: This product may be classified as an oil under Section 311 of the Clean Water Act and Oil Pollution Act. Spills or discharges into or leading to surface waters, that cause a sheen, must be reported to the National Response Center. Recover free product. Divert product from watercourses and sewers. Contain and absorb all product. Assure conformity with all applicable governmental regulations for reporting and disposal.

OSHA: Product requires a warning label

SARA Sec. 301-304: No TPQ or RQ for product or any constituent greater than 1% or 0.1% for carcinogen.

SARA Sec. 311-312: Check with local Emergency Planning Committee for reportable quantity of hazardous substances.

SARA Sec. 313: No toxic chemical is present greater than 1% or 0.1% for carcinogen.

Section XI: Special Information

LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet has been compiled from the most reliable and accurate sources available at the time of preparation. However, no liability shall be accepted by the seller for injury or loss resultant of the use of the product or the information contained in this document.

Approved By: Russell Tracy, Director