

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: UNI Foam Filter Oil

Product. No: UFF100

Specification No: UFF 100

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Print date: 20-Sep-12

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

1.1.1 Trade name/designation:

UNI Foam Filter Oil UFF100

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses:

Foam Filter Lubrication

1.2.2 Uses advised against:

All others not listed above

1.3 Details of the supplier

1.3.1 Supplier:

UNI Filter, Inc.
1468 S. Manhattan Ave.
Fullerton, CA 92831

1.3.2 Information contact

714-535-6933

1.4 Emergency Telephone Number

800-535-5053

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

F+: Extremely flammable

Xn: Harmful

2.1 Label elements

2.2.1 Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms:



F+



Xn

Signal word:

Warning

Hazard statements:

R12: Extremely flammable

R38: Irritating to skin

R67: Vapors may cause drowsiness and dizziness

Precautionary statements:

S13: Keep away from food, drink and animal feedingstuffs

S20/21: When using do not eat, drink or smoke

S15: Keep away from heat

S16: Keep away from sources of ignition – No smoking

2.3 Other hazards

Adverse human health effects and symptoms:

In case of ingestion:

Harmful or fatal if swallowed.

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In case of skin contact:

Irritant to skin.

In case of inhalation:

In a confined area vapors in high concentration are anesthetic. Irritant to upper respiratory system. Over-exposure may result in light-headedness, staggering gait, giddiness and possible nausea.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage, also kidney and liver damage.

Section 3: Composition/information on ingredients

3.1 Description of the mixture:

CAS No	EC No	INDEX No	% [weight]	Name	Classification according to 67/548/EEC
64742-54-7	265-157-1	649-467-00-8	65-70	Distillates(petroleum), hydrotreated heavy paraffinic.	T; R45; S53, S45
74-98-6	200-827-9	601-003-00-5	15-20	Propane	F+; R12; S2, S9, S16
106-97-8	203-448-7	601-004-00-0	15-20	Butane	F+; R12; S2, S9, S16

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

4.1.2 Eye contact:

Flush with water for at least 15 minutes. Seek medical assistance.

4.1.3 Inhalation:

Remove patient to fresh air. Keep patient warm and quiet. If the patient is not breathing start Artificial Respiration. If the patient is having difficulty breathing administer oxygen. Seek medical assistance.

4.1.4 Skin contact:

Wash with soap and water.

4.1.5 Ingestion:

Call physician immediately. Do Not induce vomiting. Never give anything to an unconscious person as this may result in aspiration.

4.1.6 Self-protection of the first aider:

Section 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Carbon Dioxide, Dry Chemical or Foam

5.1.2 Unsuitable extinguishing media:

Water may be ineffective.

5.2 Special hazards arising from the substance or mixture

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- 5.2.1 Hazardous combustion products:
Burning produces Carbon Monoxide and Carbon Dioxide.
- 5.3 Advice for fire-fighters:
Water may be used to keep fire containers cool.
- 5.4 Additional information:
Do not spray near open flame. Keep at room temperature as exposure to direct sunlight or other heat may cause bursting.

Section 6: Accidental release measures

- 6.1 Methods and material for containment and cleaning up
- 6.1.1 For containment:
Remove all sources of ignition, ventilate, and avoid breathing vapors
- 6.1.2 For cleaning up:
Remove with inert absorbent, such as sand, or dirt.

Section 7: Handling and storage

- 7.1 Precautions for safe handling
- 7.1.1 Protective measures:
- 7.1.1.1 Fire preventions:
Do not spray near fire or open flame.
- 7.2 Conditions for safe storage, including any incompatibilities
- Technical measures and storage conditions:
Do not store above 120°F.
- Storage class:
2B: Pressurized gas packages (aerosol containers)
- Further information on storage conditions:
Keep at room temperature as exposure to direct sunlight or heat may cause bursting.
Do not puncture or incinerate.
Keep away from children.

Section 8: Exposure controls/personal protection

- 8.1 Control parameters
- 8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No	Limit value	Monitoring and observation processes
ACGIH TLV OSHA PEL	Solution/Mixture	-	-	10 mg/m ³ 15mg/m ³ 5 mg/m ³	Total Dust Respirable fraction
OSHA PEL ACGIH TLV	Distillates(petroleum), hydrotreated heavy paraffinic.	265-157-1	64742-54-7	5.0 mg/m ³ 5.0 mg/m ³	
ACGIH TLV	Propane	200-827-9	74-98-6	1000 ppm	
ACGIH TLV	Butane	203-448-7	106-97-8	600 ppm	

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8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Provide local exhaust ventilation in volume and pattern to keep TLV of all hazardous ingredients in section III below acceptable limit.

8.2.2 Personal protective equipment:

8.2.2.1 Eye/Face protection:

For prolonged use in close quarters recommend safety glasses with unperforated side shields.

8.2.2.2 Skin protection:

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

8.2.2.3 Respiratory protection:

Avoid breathing 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 III.

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.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Vapor Color: Clear Odor: No Data Odor threshold: No Data

9.1.2 Safety relevant basic data

pH (20 °C): No Data

Melting point/range(°C): No Data

Initial boiling point/range (°C): -17.78

Decomposition temperature (°C): No Data

Flash point (°C): <-6.67

Ignition temperature (°C): No Data

Vapor pressure (hPa) at °C: No Data

Vapor density (air = 1): No Data

Density (g/cm³) at °C: No Data

Bulk density (kg/m³): No Data

Water solubility (20°C in g/l): No Data

Solubility(ies): No Data

Partition coefficient: No Data

N-Octanol/Water (log Po/w): No Data

Viscosity, dynamic (mPa s): No Data

9.1.3 Physical hazards:

Flammable aerosols

Gases under pressure

9.2 Other safety information:

Properties of explosive atmospheres (mixtures):

Gases and vapors: No Data

Dusts: No Data

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Physical chemical properties of nanoparticles: No Data

Limiting oxygen concentration: No Data

Bulk density: No Data

Solubility in different media: No Data

Stability in organic solvents and identity of relevant degradation products: No Data

Evaporation rate: Faster than Ether

Conductivity: No Data

Surface tension: No Data

Dissociation constant in water (pKa): No Data

Oxidation-reduction Potential: No Data

Fat solubility (solvent – oil to be specified): No Data

Critical temperature: No Data

Section 10: Stability and reactivity

10.1 Reactivity:

Not Reactive

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid:

Do not store above 120F

10.5 Incompatible materials:

No Data

10.6 Hazardous decomposition products:

Burning produces Carbon Monoxide and Carbon Dioxide.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Distillates(Petroleum), hydrotreated heavy paraffinic	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	>5000 mg/kg	Rat	LD ₅₀	
Acute dermal toxicity	>2000 mg/kg	Rabbit	LD ₅₀	
Acute inhalative toxicity (vapor)	2.18 mg/L air	Rat	LC ₅₀	4 hours

Propane	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	Waived: Study technically not feasible.			
Acute dermal toxicity	Waived: Study technically not feasible.			
Acute inhalative toxicity (Gas)	539600 ppm	Mouse	LC ₅₀	120 min

Butane	Effect dose / Concentration	Species	Method	Time
Acute oral toxicity	Waived: Study technically not feasible.			
Acute dermal toxicity	Waived: Study technically not feasible.			
Acute inhalative toxicity (vapor)	539600 ppm	Mouse	LC ₅₀	120 min.

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11.2 Other information:

11.2.1 Routes of exposure:

Inhalation

Skin

Ingestion

11.2.2 In case of ingestion:

Harmful or fatal if swallowed.

11.2.3 In case of skin contact:

Irritant to skin.

11.2.4 In case of inhalation:

In a confined area vapors in high concentration are anesthetic. Irritant to upper respiratory system.

Over-exposure may result in light-headedness, staggering gait, giddiness and possible nausea.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage, also kidney and liver damage.

Section 12: Ecological information

12.1 Toxicity:

Aquatic toxicity

12.1.1 Substances

Acute (short-term) toxicity

Distillates (petroleum), hydrotreated heavy paraffinic.

Effect dose	Exposure time	Species	Method	Evaluation	Remark
>100 mg/L	96 hours	Pimephales promelas	LL ₅₀	Mortality	There was no observed mortality with any treatment or control fish on any of the days.
>10000 mg/L	24 hours	Daphnia magna	EL ₅₀	Mobility	

Butane

Effect dose	Exposure time	Species	Method	Evaluation	Remark
49.9 mg/L	96 hours	Other: Fish, no other information	LC ₅₀		QSAR calculations used to estimate result
27.14 mg/L	48 hours	Other: Daphnid, no other information	LC ₅₀		QSAR calculations used to estimate result.
11.89 mg/L	96 hours	Other: Green Algae	EC ₅₀		QSAR calculations used to estimate result.

Propane

Effect dose	Exposure time	Species	Method	Evaluation	Remark
49.9 mg/L	96 hours	Other: Fish, no other information	LC ₅₀		QSAR calculations used to estimate result.
27.14 mg/L	48 hours	Other: Daphnid no other information	LC ₅₀		QSAR calculations used to estimate result.
11.89 mg/L	96 hours	Other: Green algae	EC ₅₀		QSAR calculations used to estimate result.

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Chronic (long-term) toxicity

	Effect dose	Exposure time	Species	Method	Evaluation	Remark
Longterm fish toxicity				LC50		
Chronic daphnia toxicity				EC50		

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/packaging disposal:

Do not incinerate.

13.1.2 Waste codes/waste designations according to EWC/AVV:

16 05 04 *: gases in pressure containers (including halons) containing dangerous substances

13.1.3 Other disposal recommendations:

Dispose in accordance with Federal, State and Local Regulations regarding pollution.

Section 14: Transport Information

14.1 Land transport (CFR 49: DOT)

UN-No: UN1950

Proper shipping name: Aerosols, Flammable

Class(es): 2.1

Packing group: -

Hazard label(s): 2.1

Special provision(s): N82, 306

14.2 Land transport (ADR/RID/GGVSE):

UN-No: UN1950

Proper shipping name: Aerosols, Flammable

Class(es): 2.1

Classification Code: 5F

Packing group: -

Hazard label(s): 2.1

Special provision(s): 190, 327, 344, 625

14.3 Sea transport (IMDG-Code/GGVSee):

UN No: UN1950

Proper shipping name: Aerosols, Flammable

Class(es): 2.1

Packing group: -

Marine Pollutant: No

Special provision(s): 63, 190, 277, 327, 344, 959

14.4 Air transport (ICAO-IATA/DGR):

UN No: UN1950

Proper shipping name: Aerosols, Flammable

Class(es): 2.1

Packing group: -

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Special provision(s): A145, A167, A802

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

15.1.1 EU regulation

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

F+: Extremely flammable

Xn: Harmful

Hazard pictograms:



F+



Xn

Signal word:

Warning

Hazard statements:

R12: Extremely flammable

R38: Irritating to skin

R67: Vapors may cause drowsiness and dizziness

Precautionary statements:

S13: Keep away from food, drink and animal feedingstuffs

S20/21: When using do not eat, drink or smoke

S15: Keep away from heat

S16: Keep away from sources of ignition – No smoking

15.1.2 National regulations(United States):

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

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.

Section 16: Other Information

16.1 Relevant R-, H- and EUH-phrases (number and full text):

R12: Extremely flammable

R38: Irritating to skin

R67: Vapors may cause drowsiness and dizziness

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S13: Keep away from food, drink and animal feedingstuffs

S20/21: When using do not eat, drink or smoke

S15: Keep away from heat

S16: Keep away from sources of ignition – No smoking

F+: Extremely flammable (Chemicals that have an extremely low flash point and boiling point, and gases that catch fire in contact with air.)

Xn: Harmful (Chemicals that may cause damage to health.)

16.2 Further information:

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