

LEAK FREEZE

Universal Technologies, Inc.

SAFETY DATA SHEET

Date: February 24, 2010
Prepared by Dennis Belev

Former date: October 13, 2004
Reviewed by Wayne L. Grube Sr.

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURE, IMPORTER OR OTHER UNDERTAKING

1.1 Identification of substance or preparation

Trade name: Leak Freeze
Code of the preparation: 010509

Use of the Chemical

- 1.1.1 The intended users of the chemical: This product is a sealant and additive
- 1.1.2 Standard industrial classification (SIC): 2992
- 1.1.3 Use categories: Liquid oil sealant.
- 1.1.4 The chemical can be used by the general public
- 1.1.5 The chemical is used by the professionals and the general public

Technologies, Inc. Identification of the manufacture, importer or other undertaking

1.2.1 manufacture, importer or other undertaking

Contact information:

Information on distributor
Universal Technologies, Inc.
5626 Southwestern Blvd.
Baltimore, MD 21227
Telephone number: 410-247-3248

1.3.2 Information on foreign manufacture

Universal Technologies, Inc.
360 Anderson Rd.
Walterboro, SC 29488
Telephone number: (843) 538-2180
Fax: (843) 538-2188

1.4 Emergency telephone

FOR CHEMICAL EMERGENCY OR INGESTION 24/7
CALL INFOTRAC (USA) 1-800-535-5053
INTERNATIONAL CALL COLLECT 1-362-323-3600

2. COMPOSITION AND INFORMATION ON INGREDIENTS

2.1 Hazardous Ingredients

2.1.1	2.1.2	2.1.3	2.1.4
-CAS#	EINECS# Name	%	Warning, Risk phrases

Refined Specialty Oils Blended. Trade Secret Proprietary Formula. Specific chemical Identities are with held as a trade secret under provisions of OSHA hazard communication standard 29 CFR 19101200

- 2.1.5 Confidential ingredients. Proprietary Solution
- 2.1.6 A substance not dangerous listed as confidential: Property Solution
- 2.1.7 Other Information: None

3. HAZERDOUS IDENTIFICATION

Human

This product may cause irritation to respiratory tract if inhaled and if swallowed it may cause irritation.

Safety

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It may be an irritant to persons with a pre-existing skin conditions and cause aggravation with prolonged exposure. Keep out of eyes. Do not swallow.

Ecological

This product is likely to under go long term degradation.

4. FIRST AND MEASURES

- 4.1 Special instructions: My cause eyes irritation, flush with water for at least 15 minutes. Seek medical attention if person is experiencing any irritation.
 - 4.2 Inhalation: Maybe a mild irritant to respiratory tract.
 - 4.3 Ingestion: May cause irritation, do not induce vomiting, and seek medical attention.
 - 4.4 Skin contact: May irritate skin of person with a previous dermatitis problem.
-

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media: Use appropriate method for surrounding fire (dry chemical, and carbon dioxide).
 - 5.2 Extinguishing media must not be used for safety reasons: None Known
 - 5.3 Special exposure hazards in fire: Oxides of carbon
 - 5.4 Special protective equipment for fire-fighters: Wear full bunker gear with SCBA:
 - 5.5 Other instructions: Bum with black smoke
-

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Wash hands thoroughly after contact.
 - 6.2 Environmental precautions: Check with federal, territorial, state and local agencies.
 - 6.3 Methods for cleaning up: Absorb liquid with an inert material and dispose in proper container
 - 6.4 Other instructions: Material is liquid
-

7. HANDLING AND STORAGE

- 7.1 Handling: Store the petroleum oil container with cap tightened when not in use.
 - 7.2 Storage: Keep in cool dry area. Keep away from children.
 - 7.3 Specific use(s): Petroleum oil sealant.
-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

- 8.1.1 HTP values: None
 - 8.1.2 Other limit values: Oil mist OSHA TWA (USA) 5 mg/m³
 - 8.1.3 Limit values in other countries:
 - 8.1.4 Oil mist TWA (ACIS, CI, DSL, ECL, EINECS, PICCS, TSCA) 5 mg/m³
-

8.2 Exposure controls

- 8.2.1 Occupational exposure controls: Work in well-ventilated area.
 - 8.2.2 Respiratory protection: Work in well-ventilated area.
 - 8.2.3 Hand protection: Protective gloves recommended with extended use.
 - 8.2.4 Eye protection: Splash proof goggles of safety glasses. If used in production facility have eye wash and shower station.
 - 8.2.5 Skin protection: Always protect your skin when working with chemicals.
 - 8.2.6 Environmental exposure controls: None
-

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General information (physical state, color and odor). The product has a medium color and the odor of petroleum products.
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9.2 Important Health, safety and environmental information

- 9.2.1 pH: NA
- 9.2.2 Boiling point/boiling range: 204.4 °C (400 °F)
- 9.2.3 Flash point: 240.6 °C (485 °F)
- 9.2.4 Flammability (solid, gas): Liquid with high flash point.

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9.2.5	Explosive properties:	None.
9.2.5.1	Lower explosive limit:	NE.
9.2.5.2	Upper explosive limit:	NE.
9.2.6	Oxidizing properties:	Not an oxidizer.
9.2.7	Vapour pressure:	0.0001 torr @ 20 °C (68 °F)
9.2.8	Specific gravity:	0.87
9.2.9	Solubility:	Slightly soluble in alcohols.
9.2.9.1	Water solubility:	Not soluble in water
9.2.9.2	Fat solubility (solvent-oil to be specified):	ND
9.2.10	Partion coefficient: n-octanol/water:	ND
9.2.11	Viscosity:	492 SUS @ 100°F (94.4 cST @ 40°C)
9.2.12	Evaporation rate:	Negligible.
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9.3	Other information	
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10.	STABILITY AND REACTIVITY	
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10.1	Conditions to avoid:	Do not store above 120.6°F or 67°C
10.2	Materials to avoid:	Strong oxidizers.
10.3	Hazardous decomposition products:	Oxides of Carbon
10.4	Hazardous polymerization:	Will not occur.
10.5	Other:	Avoid very high heat.
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11.	TOXICOLOGICAL INFORMATION	
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11.1	Acute toxicity:	None expected.
11.2	Irritation and corrosiveness:	Not corrosive a mid-irritant to eyes.
11.3	Sentisation:	May be sensitive with a pr-exiting dermatitis.
11.4	Sub-acute, sub-chronic and prolonged toxicity:	None known.
11.5	Empirical date on effects on humans:	None known.
11.6	Other information on health effects:	Ingestion of liquid may affect respiratory tract.
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12.	ECOLOGICAL INFORMATION	
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12.1	Ecotoxicity: Not available	
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12.1.1	Aquatic toxicity:	Bio-degradable long term
12.1.2	Toxic to other organisms:	None known.
12.2	Mobility:	Not very mobile in water phase
12.3	Persistence and degradability:	
12.3.1	Biodegradation:	Yes, long term
12.3.2	Chemical degradation:	Yes
12.4	Bioaccumulation potential	Low to medium
12.5	Other adverse effects:	None known
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13.	DISPOSAL CONSIDERATIONS	
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Dispose in accord with National regulations.		
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14.	TRANSPORTATION INFORMATION	
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14.1	UN number:	None
14.2	Packing group:	None
14.3	Land transport	
14.3.1	Transport classes:	Not regulated
14.3.2	Risk code:	Not acceptable
14.3.3	Name according to bill freight	Leak Freeze
14.3.4	Other information:	None
14.4	Sea transport	
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14.4.1	IMDG class:	None.
14.4.2	Correct technical name:	None.
14.4.3	Other information:	None.
14.4.4	Limit of package:	None

14.5 Air transport

14.5.1	ICAO/ATA class:	None.
14.5.2	Correct technical name:	None.
14.5.3	Other information:	None.
14.5.4	Limit Package:	None.

15. REGULATORY INFORMATION

15.1 Information on the warning label: CAUTION

15.1.1	Letter code on warning symbol and indications of danger for the preparation:	None
15.1.2	Names of the ingredients give on the label:	Refined petroleum oil
15.1.3	R phrases:	R20/22
15.1.4	S phrases	S2/3/9, S23/25, S36/3739
15.1.5	Special regulations on certain preparations:	None

15.2 National regulations

16. OTHER INFORMATION

16.1	National Fire Protection Association (NFPA) Hazardous Materials Identification System (HMIS)																		
	<table><thead><tr><th>NFPA</th><th></th><th>HMIS</th></tr></thead><tbody><tr><td></td><td>0 Least</td><td></td></tr><tr><td>1 Health</td><td>1 Sight</td><td>1 Health</td></tr><tr><td>1 Fire</td><td>2 Moderate</td><td>1 Fire</td></tr><tr><td>0 Instability</td><td>3 High</td><td>0 Reactivity</td></tr><tr><td></td><td>4 Severe</td><td>D PPE</td></tr></tbody></table>	NFPA		HMIS		0 Least		1 Health	1 Sight	1 Health	1 Fire	2 Moderate	1 Fire	0 Instability	3 High	0 Reactivity		4 Severe	D PPE
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	4 Severe	D PPE																	
16.2	List of relevant R phrases:	R20/22																	
16.3	Training advice S phrases:	S2/3/9, S23/25, S36/3739																	
16.4	Restrictions on use:	None																	
16.5	Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379EEC, WHMIS, NIOSH, and OSHA 29 CFR Part 1910. 1200																		
16.6	This product contains no Prop 65 material:																		
16.7	This is a revised Safety Data Sheet to meet new format.																		
16.8	Refined petroleum oil is an ingredient listed in the following inventories: USA (TSCA); China (CI); Korea (ECL); Canada (DSL); Philippines (PICCS); Europe (EINECS); Japan (MITI) and Australia (AICS).																		
16.9	None of the ingredients are listed for right to know in CA, MA, MN, NJ & PA.																		
16.10	Abbreviations:																		
	AICS	Australian Inventory of Chemical Substances																	
	CAS#	Chemical Abstract Service Number																	
	cST	centistokes																	
	°C	Celsius temperature scale																	
	CI	China																	
	DSL	Canada																	
	ECL	Korean Existing Chemicals List																	
	EEC	European Economic Commission																	
	ENCS	Japanese Existing and New Chemical List																	
	EINECS#	European Inventory of Existing Chemical Substances Number																	
	EU	European Union																	
	°F	Fahrenheit																	

SAFETY DATA SHEET

Israel	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations list
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and industry
NA	Not applicable
MITI	Japan
ND	Not determined
NE	None established
PICCS	Philippines
PPE	Personal Proactive Equipment
Prop.	Proprietary
sUS	Saybolt Universal Viscosity
SWISS	Giftliste 1
SWISS	Inventory of Notified New Substances
TSCA	Toxic Substance Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
UK	United Kingdom
USA	United States
16.11	Information which has been added, deleted or revised: New SDS

Disclaimer:

This information is furnished without warranty expressed or implied except that it is accurate to the best knowledge of Universal Technologies, inc (Company). The data and information on Safety Data Sheet relates only to the specific material designated herein. Company assumes no legal responsibility for use or reliance upon the data.

LEAK FREEZE WITH MAGIC FROST

Universal Technologies, Inc.

SAFETY DATA SHEET

Date: February 24, 2010
Prepared by Dennis Belev

Former date: October 13, 2004
Reviewed by Wayne L. Grube Sr.

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURE, IMPORTER OR OTHER UNDERTAKING

1.1 Identification of substance or preparation

Trade name: Leak Freeze w/ Magic Frost
Code of the preparation: 010509

Use of the Chemical

- 1.1.1 The intended users of the chemical: This product is a sealant and additive enhancer.
- 1.1.2 Standard industrial classification (SIC): 2992
- 1.1.3 Use categories: Liquid oil sealant and enhancer.
- 1.1.4 The chemical can be used by the general public
- 1.1.5 The chemical is used by the professionals and the general public

Technologies, Inc. Identification of the manufacture, importer or other undertaking

1.2.1 manufacture, importer or other undertaking

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2.1.5	Confidential ingredients. Proprietary Solution		
2.1.6	A substance not dangerous listed as confidential: Property Solution		
2.1.7	Other Information: None		

3. HAZERDOUS IDENTIFICATION

Human

This product may cause irritation to respiratory tract if inhaled and if swallowed it may cause irritation.

Safety

SAFETY DATA SHEET

It may be an irritant to persons with a pre-existing skin conditions and cause aggravation with prolonged exposure. Keep out of eyes. Do not swallow.

Ecological

This product is likely to under go long term degradation.

4. FIRST AND MEASURES

- 4.1 Special instructions: My cause eyes irritation, flush with water for at least 15 minutes. Seek medical attention if person is experiencing any irritation.
 - 4.2 Inhalation: Maybe a mild irritant to respiratory tract.
 - 4.3 Ingestion: May cause irritation, do not induce vomiting, and seek medical attention.
 - 4.4 Skin contact: May irritate skin of person with a previous dermatitis problem.
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5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media: Use appropriate method for surrounding fire (dry chemical, and carbon dioxide).
 - 5.2 Extinguishing media must not be used for safety reasons: None Known
 - 5.3 Special exposure hazards in fire: Oxides of carbon
 - 5.4 Special protective equipment for fire-fighters: Wear full bunker gear with SCBA:
 - 5.5 Other instructions: Bum with black smoke
-

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Wash hands thoroughly after contact.
 - 6.2 Environmental precautions: Check with federal, territorial, state and local agencies.
 - 6.3 Methods for cleaning up: Absorb liquid with an inert material and dispose in proper container
 - 6.4 Other instructions: Material is liquid
-

7. HANDLING AND STORAGE

- 7.1 Handling: Store the petroleum oil container with cap tightened when not in use.
 - 7.2 Storage: Keep in cool dry area. Keep away from children.
 - 7.3 Specific use(s): Petroleum oil sealant.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

- 8.1.1 HTP values: None
 - 8.1.2 Other limit values: Oil mist OSHA TWA (USA) 5 mg/m³
 - 8.1.3 Limit values in other countries:
 - 8.1.4 Oil mist TWA (ACIS, CI, DSL, ECL, EINECS, PICCS, TSCA) 5 mg/m³
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8.2 Exposure controls

- 8.2.1 Occupational exposure controls: Work in well-ventilated area.
 - 8.2.2 Respiratory protection: Work in well-ventilated area.
 - 8.2.3 Hand protection: Protective gloves recommended with extended use.
 - 8.2.4 Eye protection: Splash proof goggles of safety glasses. If used in production facility have eye wash and shower station.
 - 8.2.5 Skin protection: Always protect your skin when working with chemicals.
 - 8.2.6 Environmental exposure controls: None
-

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General information (physical state, color and odor). The product has a medium color and the odor of petroleum products.
-

9.2 Important Health, safety and environmental information

- 9.2.1 pH: NA
- 9.2.2 Boiling point/boiling range: 204.4 °C (400 °F)
- 9.2.3 Flash point: 229.44 °C (445 °F)
- 9.2.4 Flammability (solid, gas): Liquid with high flash point.

SAFETY DATA SHEET

9.2.5	Explosive properties:	None.
9.2.5.1	Lower explosive limit:	NE.
9.2.5.2	Upper explosive limit:	NE.
9.2.6	Oxidizing properties:	Not an oxidizer.
9.2.7	Vapour pressure:	0.0001 torr @ 20 °C (68 °F)
9.2.8	Specific gravity:	0.87
9.2.9	Solubility:	Slightly soluble in alcohols.
9.2.9.1	Water solubility:	Not soluble in water
9.2.9.2	Fat solubility (solvent-oil to be specified):	ND
9.2.10	Partion coefficient: n-octanol/water:	ND
9.2.11	Viscosity:	492 SUS @ 100°F (94.4 cST @ 40°C)
9.2.12	Evaporation rate:	Negligible.
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9.3	Other information	
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10.	STABILITY AND REACTIVITY	
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10.1	Conditions to avoid:	Do not store above 120.6°F or 67°C
10.2	Materials to avoid:	Strong oxidizers.
10.3	Hazardous decomposition products:	Oxides of Carbon
10.4	Hazardous polymerization:	Will not occur.
10.5	Other:	Avoid very high heat.
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11.	TOXICOLOGICAL INFORMATION	
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11.1	Acute toxicity:	None expected.
11.2	Irritation and corrosiveness:	Not corrosive a mid-irritant to eyes.
11.3	Sentisation:	May be sensitive with a pr-exiting dermatitis.
11.4	Sub-acute, sub-chronic and prolonged toxicity:	None known.
11.5	Empirical date on effects on humans:	None known.
11.6	Other information on health effects:	Ingestion of liquid may affect respiratory tract.
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12.	ECOLOGICAL INFORMATION	
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12.1	Ecotoxicity: Not available	
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12.1.1	Aquatic toxicity:	Bio-degradable long term
12.1.2	Toxic to other organisms:	None known.
12.2	Mobility:	Not very mobile in water phase
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12.3	Persistence and degradability:	
12.3.1	Biodegradation:	Yes, long term
12.3.2	Chemical degradation:	Yes
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12.4	Bioaccumulation potential	Low to medium
12.5	Other adverse effects:	None known
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13.	DISPOSAL CONSIDERATIONS	
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Dispose in accord with National regulations.		
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14.	TRANSPORTATION INFORMATION	
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14.1	UN number:	None
14.2	Packing group:	None
14.3	Land transport	
14.3.1	Transport classes:	Not regulated
14.3.2	Risk code:	Not acceptable
14.3.3	Name according to bill freight	Leak Freeze w/ Magic Frost
14.3.4	Other information:	None
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14.4	Sea transport	
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SAFETY DATA SHEET

14.4.1	IMDG class:	None.
14.4.2	Correct technical name:	None.
14.4.3	Other information:	None.
14.4.4	Limit of package:	None

14.5 Air transport

14.5.1	ICAO/ATA class:	None.
14.5.2	Correct technical name:	None.
14.5.3	Other information:	None.
14.5.4	Limit Package:	None.

15. REGULATORY INFORMATION

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15.1.5	Special regulations on certain preparations:	None

15.2 National regulations

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16.2	List of relevant R phrases:	R20/22																	
16.3	Training advice S phrases:	S2/3/9, S23/25, S36/3739																	
16.4	Restrictions on use:	None																	
16.5	Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379EEC, WHMIS, NIOSH, and OSHA 29 CFR Part 1910. 1200																		
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	cST	centistokes																	
	°C	Celsius temperature scale																	
	CI	China																	
	DSL	Canada																	
	ECL	Korean Existing Chemicals List																	
	EEC	European Economic Commission																	
	ENCS	Japanese Existing and New Chemical List																	
	EINECS#	European Inventory of Existing Chemical Substances Number																	
	EU	European Union																	
	°F	Fahrenheit																	

SAFETY DATA SHEET

Israel	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations list
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and industry
NA	Not applicable
MITI	Japan
ND	Not determined
NE	None established
PICCS	Philippines
PPE	Personal Proactive Equipment
Prop.	Proprietary
sUS	Saybolt Universal Viscosity
SWISS	Giftliste 1
SWISS	Inventory of Notified New Substances
TSCA	Toxic Substance Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
UK	United Kingdom
USA	United States
16.11	Information which has been added, deleted or revised: New SDS

Disclaimer:

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