



MATERIAL SAFETY DATA SHEET SAILKOTE PLUS

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07/02/2008

McLube Division
McGee Industries, Inc.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|--|
| Manufacturer's Name and Address: | Telephone Numbers: |
| McGee Industries, Inc. | Emergency - Business Hours: (800) 262-5823 |
| 9 Crozerville Road | Emergency - After Hours: (800) 424-9300 |
| P. O. Box 2425 | Company Phone Number: (610) 459-1890 |
| Aston, PA 19014-0425 | Company Facsimile: (610) 459-9538 |
| Product or Trade Name: | MSDS Revisions: See section 16 |
| SAILKOTE PLUS | MSDS Issue Date: 07/02/2008 |
| Chemical Name and Synonyms: | Supersedes Date: 04/04/2007 |
| Fluoropolymer/Resin Dispersion | |

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Appearance/Odor: White, translucent liquid, fruity odor.
WARNING
Flammable liquid and vapor.
Vapors may travel considerable distances to ignition sources and flash back. Hazardous gases can be produced requiring respirator. Heating above 500°F (260°C) may cause formation of potentially toxic substances.

OSHA Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Likely Routes of Exposure:

Eye: Eye contact, skin contact, inhalation.

Skin: Mild irritation.

Ingestion: Mild irritation.

Inhalation: Low oral toxicity.
Prolonged breathing of high concentrations of vapor may cause drowsiness and irritation.

Chronic Effects: Prolonged and/or repeated contact may cause skin irritation and inflammation. Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction. Repeated or prolonged overexposure to solvents may cause brain or other nervous system damage.

Signs & Symptoms of Exposure: Symptoms of skin exposure can include defatting, redness, blistering, lesions and scaly dermatitis. Symptoms can include the loss of memory, the loss of intellectual capacity and the loss of coordination.

Target Organs: Kidneys, liver, upper respiratory tract, skin

Carcinogenicity: None of the components in this product is listed by IARC, NTP, or OSHA as a carcinogen.

Potential Environmental Effects None known.



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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Hazardous Component</u> | <u>CAS#</u> | <u>% By Wt.</u> |
|-------------------------------|-------------|-----------------|
| Heptane* | Mixture | 40-50 |
| Toluene | 108-88-3 | 25-35 |
| Ethyl alcohol | 64-17-5 | 10-20 |
| Isopropanol/isopropyl alcohol | 67-63-0 | 10-20 |

***Composition of Heptane:**

| | | |
|----------------------|----------|-------|
| Heptane, all isomers | mixture | 70-90 |
| Octane, all isomers | mixture | 1-10 |
| Methylcyclohexane | 108-87-2 | 1-10 |
| Nonane, all isomers | mixture | 1-10 |

Nonhazardous Component

| | | |
|-------------|---------|-----|
| Proprietary | Mixture | 3-8 |
|-------------|---------|-----|

Amounts listed are typical and do not represent a specification. Remaining components are proprietary, nonhazardous, and/ or present in amounts below reportable limits

SECTION 4 FIRST AID MEASURES

| | |
|----------------------|---|
| Eye Contact: | Flush with water. Call a physician. |
| Skin Contact: | Wash off in flowing water. |
| Inhalation: | Remove to fresh air. Call a physician. |
| Ingestion: | Do not induce vomiting. Call a physician. |

SECTION 5 FIRE FIGHTING MEASURES

Refer to Section 9 for flash point and flammable (explosive) limits

| | |
|--|---|
| Flammable Properties: | Flammable liquid and vapor – keep away from flames and other ignition sources. |
| Suitable Extinguishing Media: | Water spray, CO ₂ , or dry chemical. |
| Unsuitable Extinguishing Media: | Do not use a solid stream of water directly on the fire as the water may spread the fire to a larger area. |
| Special Fire Fighting Procedures: | In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. |
| Unusual Fire and Explosion Hazards: | Flammable. Vapors may travel considerable distances to ignition sources and flash back. Hazardous gases can be produced requiring respirator. Heating above 500°F (260°C) may cause formation of potentially toxic substances. Residual vapors may explode on ignition. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------|--|
| Personal Precautions: | Use personal protection recommended in Section 8. |
| Methods for Containment: | Eliminate ignition sources. Soak up with inert absorbent such as sand, earth or vermiculite. |
| Methods for Clean-Up: | Put in closed container for prompt disposal. |



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SECTION 7 HANDLING AND STORAGE

Handling: Contents may be under pressure; open containers slowly to release pressure.
When transferring products, follow proper grounding procedures.
Keep away from flames and other ignition sources.
Empty containers retain product residue; follow label warnings even after container is emptied; residual vapors may explode on ignition; do not cut, drill or weld on or near container.

Storage: Keep containers closed.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---------------------------------|-------------------------|
| Exposure Guidelines: | <u>ACGIH TLV</u> |
| <u>Component</u> | <u>TWA</u> |
| Heptane* | 400 ppm |
| Toluene | 50 ppm |
| Ethyl alcohol | 1000 ppm |
| Isopropanol / isopropyl alcohol | 400 ppm |

***Composition of Heptane:**

| | |
|----------------------|---------|
| Heptane, all isomers | 400 ppm |
| Octane, all isomers | 300 ppm |
| Methylcyclohexane | 400 ppm |
| Nonane, all isomers | 200 ppm |

Engineering Controls: Provide ventilation to control vapor to below standard. 10 air changes per hour recommended

Eye/Face Protection: Avoid contact with eyes. Safety glasses recommended.

Skin Protection: Avoid contact with skin. Impermeable gloves recommended. Boots and apron recommended depending on extent or severity of exposure.

Respiratory Protection: Avoid breathing vapor. Use with adequate ventilation especially in enclosed areas. In absence of environmental control, approved organic vapor-type respirator.

General Hygiene Considerations: Wash hands thoroughly after handling. Do not smoke while using nor contaminate tobacco products.

Other: Personal protection to be determined by user depending on use conditions.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------------|
| Color: | White, translucent |
| Odor: | Fruity odor |
| Physical State: | Liquid |
| Melting Point (solids): | Not Applicable |
| Boiling Point (@ 760 mm Hg): | 167-230°F (75-110°C) |
| Flash Point (test method): | 24°F (-4°C) (TCC) |
| Flammability: | Flammable |
| Upper Flammability Limit (Vol. % @ 100°F (38°C)): | 11.6 |
| Lower Flammability Limit (Vol. % @ 100°F (38°C)): | 1.9 |
| Vapor Pressure (mm Hg @ 68°F (20°C)): | 15 |
| Vapor Density (Air=1): | 3.2 |



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Specific Gravity: 0.79
Solubility in Water (% by Wt.): <10
% Volatiles by Weight: 92-97
Evaporation Rate (Butyl acetate=1): 3.4

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.
Incompatible Materials: Oxidizing agents.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and possibly small quantities of toxic fluorine compounds.
Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

| <u>Component</u> | <u>Inhalation, LC50</u> | <u>Skin Contact, LD50</u> | <u>Ingestion, LD50</u> |
|--------------------------------|-------------------------|---------------------------|------------------------|
| Heptane | 103 ppm (rat) 4 hrs | >2,000 mg/kg (rabbit) | >5,000 mg/kg (rat) |
| Toluene | 49 ppm (rat) 4 hrs | 141 mg/kg (rabbit) | 636 mg/kg (rat) |
| Ethyl alcohol | 20,000 ppm (rat) 10hrs | Not determined | 7060 mg/kg (rat) |
| Isopropanol/ isopropyl alcohol | 19,000 ppm (rat) 8hrs | 13,000 mg/kg (rabbit) | 4,700 mg/kg (rat) |

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity data are not available for this product.
Environmental Fate: This mixture will normally float on water with its lighter components evaporating rapidly.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in compliance with local, state and federal regulations.

SECTION 14 TRANSPORTATION INFORMATION

US DOT (ground)

Proper Shipping Name: Flammable Liquid, n.o.s. (Heptane, toluene)
Hazard Class: 3
UN Number: UN1993
Packing Group: PGII

Canadian TDG (ground)

Proper Shipping: See US DOT
Description:

ICAO (air)

Proper Shipping: See US DOT
Description:

IMDG (water)

Proper Shipping: See US DOT
Description:

SECTION 15 REGULATORY INFORMATION

SARA Title III Section 313 Information

| <u>Component</u> | <u>CAS #</u> | <u>% by Wt.</u> |
|------------------|--------------|-----------------|
|------------------|--------------|-----------------|



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Toluene 108-88-3 25-35

Toluene is a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986.

Toxic Substances Control Act (TSCA)

This product and/or its components are listed on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

Toluene is reported to contain traces of benzene, a chemical on the California Proposition 65 list of chemicals which are classed as carcinogens by the State of California.

SECTION 16 OTHER INFORMATION

HMIS Rating System

Health – 2 Flammability - 3 Reactivity - 0

MSDS Revision Information

07/02/2008 Modified to conform to 16 part format of ANSI Standard Z400.1-2004

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.