

## IDENTITY: FILMGUARD

### SECTION I. MANUFACTURER'S INFORMATION

|   |  |
|---|--|
| <b>Manufacturer's Name</b> Film-Tech                            | <b>Emergency Telephone Number</b> (720) 344-7500   |
| <b>Address</b> 351 East Brentford Circle<br>Littleton, CO 80126 | <b>Telephone Number for Information</b> (720) 344-7500<br><b>Facsimile Telephone Number</b> (720) 344-7600 |

### SECTION II. PRODUCT INGREDIENTS IDENTIFICATION

| Hazardous Components            | CAS Number | OSHA PEL            | ACGIH TLV           | Note* |
|---------------------------------|------------|---------------------|---------------------|-------|
| Aliphatic Hydrocarbon           | Mixture    | 500 ppm             | 100 ppm             | 1     |
| Aliphatic Petroleum Distillates | Mixture    | 500 ppm             | 100 ppm             | 1     |
| Petroleum Based Oil             | 64742-65-0 | 5 mg/m <sup>3</sup> | 5 mg/m <sup>3</sup> | 2     |

\* See Section IX for additional information.

### SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

|                                |  |   |
|--------------------------------|--|---|
| <b>Boiling Point (°F)</b> 402  | <b>Specific Gravity (H<sub>2</sub>O = 1)</b> 0.735   | <b>Vapor Density (Air = 1)</b> < 1              |
| <b>Melting Point (°F)</b> NA   | <b>Vapor Pressure (torr @ 73.5°C)</b> 100            | <b>Evaporation Rate (Butyl Acetate = 1)</b> < 1 |
| <b>Solubility in Water</b> Nil | <b>Appearance and Odor</b> Clear, light brown liquid |   |

### SECTION IV. FIRE AND EXPLOSION HAZARD DATA

|   |   |   |
|---|---|---|
| <b>Flash Point (ASTM D92)</b><br>180°F (82.2°C)   | <b>Extinguishing Media</b><br>Foam, dry chemical, carbon dioxide  | <b>Unusual Fire / Explosion Hazards</b><br>None |
| <b>Flammable Limits</b><br>LEL - 1%      UEL - 6% | <b>Special Fire Fighting Procedures</b><br>Do NOT use water. Treat as combustible petroleum distillate. |   |

### SECTION V. REACTIVITY DATA

|  |   |
|--|---|
| <b>Stability</b><br>Stable      X<br>Unstable  | <b>Hazardous Polymerization</b><br>May Occur<br>Will Not Occur      X |
| <b>Conditions to Avoid</b><br>Ignition sources; sparks, open flame, heat.  | <b>Incompatibility</b><br>Strong Oxidizing materials                  |
| <b>Hazardous Decomposition or Byproducts</b><br>Thermal decomposition may yield carbon monoxide and/or carbon dioxide. |   |

### SECTION VI. PRECAUTIONS FOR SAFE HANDLING AND USE

|   |
|---|
| <b>Steps to be taken in case material is Released or Spilled</b><br>Absorb small quantities with sand, earth, sawdust. Large quantities pump into tank.                                 |
| <b>Waste Disposal Method</b><br>Incinerate liquid, bury saturated absorbent in land fill. Disposal of in accordance with local, state and federal regulations.                          |
| <b>Precautions to be taken in Handling and Storage</b><br>Keep away from open flame, do not take internally. Avoid excessive inhalation of spray particles.<br>Keep away from children. |

**SECTION VII. HEALTH HAZARD DATA**

| Entry Routes:                                       | Inhale  | Primary | Skin | Primary  | Ingest | Not Likely |
|---|---|---------|------|--|--------|------------|
| Signs & Symptoms (Acute & Chronic)                  | Inhalation: May cause drowsiness, headache, dizziness, nausea, and/or upper respiratory irritation. Eyes: Irritation, tearing, and/or redness. Skin: Drying and/or irritation caused by repeated contact. Ingestion: Not likely. Low order of oral toxicity, however, aspiration into the lungs is possible during ingestion which can cause pulmonary injury such as chemical pneumonitis. Nausea, diarrhea, vomiting. |         |      |  |        |            |
| First Aid Emergency Procedures                      | Inhalation: Remove to fresh air. Give CPR if necessary. Give oxygen if breathing is difficult. Seek medical attention. Eye: Flush with large amounts of water for a minimum of 15 minutes. Seek medical attention. Skin: Wash area(s) with mild soap and warm water. Seek medical attention if aggravated. Ingestion: Do not induce vomiting. Seek medical attention immediately.                                       |         |      |  |        |            |
| Medical Conditions generally aggravated by Exposure | Eye, skin and respiratory disorders may be aggravated by exposure.  |         |      | Carcinogenicity<br>Non-carcinogenic by NTP, IARC, OSHA |        |            |

**SECTION VIII. CONTROL MEASURES**

|                                  |  |
|----------------------------------|--|
| Respiratory Protection           | None required if good ventilation is provided and maintained. For enclosed areas, use NIOSH approved APRs with organic vapor cartridges or SCBA.                           |
| Local Ventilation                | Usually adequate.  |
| Mechanical Ventilation (General) | Recommended when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.  |
| Protective Gloves                | Use solvent resistant gloves when handling liquid.   |
| Eye Protection                   | Face shield or goggles recommended when spraying or splashing liquid.  |
| Work & Hygienic Practices        | Wash hands, arms, face, and neck with mild soap and water after use or before breaks, meals and end of work period. Remove contaminated clothing and launder before reuse. |
| Other Pro-Clo or Equipment       | None required.   |

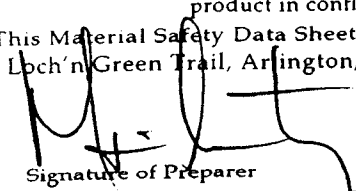
**SECTION IX. OTHER INFORMATION**

Note 1.0: Exposure Limit listed is selected based on lowest established limit for components (Stoddard Solvent TLV is 100 ppm; PEL is 500 ppm).

Note 2.0: Exposure Limit based on oil mist (mineral) limit values.

The information contained in this Material Safety Data Sheet is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions for use are beyond the manufacturer's control. Nothing contained herein should be construed as a recommendation to use this product in conflict with existing patents covering any material or its use.

This Material Safety Data Sheet was prepared by Armstrong Forensic Laboratory, Incorporated, 330 Loch'n Green Trail, Arlington, Texas, (telephone number 817.275.2691), specifically for the use of \_\_\_\_\_  
 Company Name.

  
 Signature of Preparer

1-31-00  
 Date Prepared

Marion Armstrong, MSPH, CIH  
 Vice President of Services  
 www.aflab.com