Material Safety Data Sheet
May be used to comply with
OSHA’s Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

IDENTITY (As Used on Label and List)
HANSEL® Stain

Section I
Manufacturer's Name: Lide Laboratories Inc.
Address (Number, Street, City, State, and ZIP Code) 401 4th AVE SW
City: New Prague,  MN  56071
State:  Address:  56071
ZIP Code:  New Prague,  NJ

Emergency Telephone Number:  952-758-9760 or contact a local medical facility
Telephone Number for Information:  952-758-9760
Date Prepared:  04/01/2012
Signature of Preparer (optional)

The statements contained are offered as information only and are believed to be accurate and represent the best information currently available. However, we make no warranty, expressed or implied, with respect to such information and assume no liability or any type resulting form its use. Users of the product should make their own investigations to determine suitability of the information for their particular purposes.

Section II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>%(optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>95% Methanol (Synonyms: Carbinol; Methyl alcohol; Methyl hydroxide; Monohydroxyethane; Wood alcohol; Wood naptha; Wood spirits; Columbian spirits); CAS RN: 67-56-1 PEL/TLV/TWA: 200 ppm</td>
<td></td>
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</tr>
<tr>
<td>Other Ingredients 5%: Methylene Blue CAS 61-73-4, Eosin Y (Acid Red 87) CAS 17372-87-1, Glycerin (Glycerol) CAS 56-81-5, Purified Water</td>
<td></td>
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</tr>
</tbody>
</table>

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>64.5 ° C</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>96 mm Hg @ 20 ° C</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>1.1</td>
<td>Evaporation Rate (Butyl Acetate = 1) 5.91</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
<td></td>
</tr>
</tbody>
</table>

Appearance and Odor: Blue in color as HANSEL Stain with slight alcoholic odor.

Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used) 12.2 ° C</td>
<td>6.7</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Do NOT use straight streams of water.

Special Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Extinguish all nearby sources of ignition. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Unusual Fire and Explosion Hazards: Methanol may burn with a flame that is invisible in the daylight. Mixtures of water and as little as 21% methanol are flammable. This includes the product HANSEL Stain.

Section V - Reactivity Data

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: High temperatures, ignition sources, confined spaces.
Incompatibilities with Other Materials: Oxidizing agents, reducing agents, acids, alkali metals, potassium, sodium, metals as powders (e.g. hafnium, raney nickel), acid anhydrides, acid chlorides, powdered aluminum, powdered magnesium.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, formaldehyde.
Hazardous Polymerization: Will not occur.

Section VI - Health Hazard Data

Health Hazards (Acute and Chronic)
Danger! Flammable liquid and vapor.
Poison! Methanol may be fatal or cause blindness if swallowed. Vapor harmful. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye, skin, and respiratory tract irritation. May cause central nervous system depression. Cannot be made non-poisonous.

Emergency and First Aid Procedures
Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Get immediate medical attention. HANSEL Stain will stain eyes.
Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Skin: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. HANSEL Stain will stain skin. Get medical attention if irritation persists after washing.

Notes to Physician: Effects may be delayed. Antidote: Ethanol may inhibit methanol metabolism.

EMERGENCY OVERVIEW
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Section VIII - Control Measures

Steps to Be Taken in Case Material is Released or Spilled: Use proper personal protective equipment as indicated in Section VIII. Avoid direct contact with the product. HANSEL Stain will stain the skin. Lava Soap has been found to be a good cleansing agent. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. RCRA P-Series: None listed. RCRA U-Series: Methanol CAS# 67-56-1: waste number U154 (Ignitable waste).

Precautions to Be taken in Handling and Storing
Handling: Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Use only with adequate ventilation. Keep away from heat, sparks, and flame. Avoid use in confined spaces. Follow good laboratory practices and product use instructions.
Storage: Keep container tightly closed. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from light.

Transport Information

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<tr>
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<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>UN1230</td>
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<tr>
<td>II</td>
<td>II</td>
</tr>
<tr>
<td>FLASHPOINT 12.2 C</td>
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CHEMICAL STORAGE CODES: Storage Color Code RED (Flammable)

HEALTH 3 FLAMMABILITY 3 REACTIVITY 1 PERSONAL PROTECTION 1

Section VII - Precautions for Safe Handling and Use

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Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. A fume hood and Class B extinguisher are recommended.

OSHA Vacated PELs: Methanol: 200 ppm TWA; 260 mg/m³ TWA

Personal Protective Equipment

Eyes: Wear chemical splash goggles. A face shield may be necessary.

Skin: Wear butyl rubber gloves, apron, and/or clothing.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Additional toxicological, ecological and regulatory information pertaining to methanol is available upon request.