Material Safety Data Sheet
Dober Chemical Corp.
14461 S. Waverly
Midlothian, IL  60445

Product Name: Dober Brite

Revision Date: 3/23/03

I. Identification

Emergency Telephone: 800-255-3924 Chem-Tel
Information Telephone: 800-323-4983

Chemical Family: Caustic Liquid
DOT Hazard Class: Corrosive Material
DOT Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S., 8, UN3266, PGII
(Contains: Sodium Hydroxide)

II. Hazardous Ingredients

<table>
<thead>
<tr>
<th>Material</th>
<th>%</th>
<th>TLV(Units)</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>&lt;50</td>
<td>2 mg/m3</td>
<td>1310-73-2</td>
</tr>
</tbody>
</table>

III. Physical Data

Boiling Point, 760 mm Hg: 250°F
Specific Gravity (H₂O=1): 1.37
Vapor Density (Air=1): >1
% Volatiles by Volume: 50
pH (aqueous liquids): <13.0
Vapor Pressure: Approx. same as water
Solubility in Water: Complete
Evaporation Rate: (Water=1): 1
Appearance and Odor: Transparent colorless liquid - mild odor

IV. Fire And Explosion Hazard Data

Flash Point (Test Method): None
Flammable Limits in Air (% by volume): Lower= N/A  Upper= N/A
Extinguishing Media: Water, CO₂, foam, dry chemical
Special Firefighting Procedures: None
Unusual Fire and Explosion Hazards: None
V. Reactivity Data

Stability: Stable: XX  Unstable: N/A

Conditions to Avoid: N/A

Incompatibility (materials to avoid): Strong acids, strong oxidizers, reactive metals such as aluminum, zinc, or their alloys.

Hazardous Combustion or Decomposition Products: Oxides of carbon

Hazardous Polymerization: May Occur: Will Not Occur: XX

VI. Health Hazard Data

Toxicity: T.L.V. = 2 mg/m³: ceiling limit in air (sodium hydroxide)

Ingredients Listed as Carcinogenic in NTP, IARC, or OSHA (specify): None

Acute Effects of Overexposure

Eye Contact: Corrosive

Skin Contact: Corrosive

Inhalation: Spray mist may be corrosive to respiratory tract. Inhalation is not likely when material is used as intended.

Ingestion: Corrosive to alimentary tract.

Principal Routes of Absorption: Skin contact

Emergency And First Aid Procedures

Eyes: Flush at once with plenty of water for at least 15 minutes. Flushing must occur within 10 - 15 seconds to prevent severe damage to eye tissue. Contact a physician at once.

Skin: Flush affected area with plenty of water at once. Neutralize with vinegar or diluted lemon juice. Remove contaminated clothing. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. If symptoms persist, consult a physician.

Ingestion: Seek medical attention at once. Do not induce vomiting. Give large quantities of water to dilute.

VII. Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled: Absorb spill onto sand, clay, etc. and shovel into steel container for disposal.

Waste Disposal Method: In accordance with federal, state, and local guidelines.
VIII. Special Protection Information

Ventilation Requirements: Local exhaust sufficient to maintain below T.L.V. when material is sprayed.

Recommended Personal Protective Equipment

Respiratory: NIOSH approved respirator fitted with filter for alkaline mist when material is sprayed.

Eyes: Chemical splash goggles

Gloves: Impervious

Other Clothing and Equipment: Other protective clothing depending on degree of exposure.

IX. Special Precautions

Precautions to be Taken in Handling and Storing: Keep container closed. Keep out of reach of children. Do not contact eyes or skin. Do not store near strong acids. Do not contact aluminum, zinc, or their alloys.

Other Precautions: Do not take internally. For industrial use only.

X. HMIS Ratings

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>D</td>
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</table>

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Dober Chemical Corp. makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, Dober Chemical makes no warranty, express or implied, as to the effects of such use, the results to be obtained or the safety and toxicity of the product. The data in this MSDS relate only to the specific product designated herein and do not relate to use in combination with any other material or in any process.