# MATERIAL SAFETY DATA SHEET

## SECTION I

**MANUFACTURER'S NAME**
L.T. York Company

**ADDRESS (Number, Street, City, State, and ZIP Code)**
440 East Helm St. - Brookfield, Missouri 64628

**CHEMICAL NAME AND SYNONYMS**
Denatured ethyl alcohol

**CHEMICAL FAMILY**
Aliphic Alcohols

**TRADE NAME AND SYNONYMS**
Rubbing alcohol, 20%

**FORMULA**
C₂H₅OH · H₂O

## SECTION II HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>PAINTS, PRESERVATIVES &amp; SOLVENTS</th>
<th>%</th>
<th>TLV (Units)</th>
<th>ALLOYS AND METALLIC COATTINGS</th>
<th>%</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGMENTS</td>
<td>N/A</td>
<td>BASE METAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CATALYST</td>
<td>N/A</td>
<td>ALLOYS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VEHICLE</td>
<td>H₂O</td>
<td>METALLIC COATINGS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOLVENTS</td>
<td></td>
<td>FILLER METAL PLUS COATING OR CORE FLUX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADDITIVES</td>
<td></td>
<td>OTHERS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHERS</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES**

None

## SECTION III PHYSICAL DATA

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>174.4</th>
<th>SPECIFIC GRAVITY (H₂O=1)</th>
<th>0.870</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>40.5</td>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
<td>100%</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>1.3</td>
<td>EVAPORATION RATE</td>
<td>2.76</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>complete</td>
<td></td>
<td></td>
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</tbody>
</table>

**APPEARANCE AND ODOR**
Typical alcohol Odor Clear liquid colorless

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>FLASH POINT (Method used)</th>
<th>65° Tag Open Cup</th>
<th>FLAMMABLE LIMITS</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3.3-19</td>
<td>0.3</td>
<td>19</td>
</tr>
</tbody>
</table>

**EXTINGUISHING MEDIA**
Use water spray CO₂ dry chemical Alcohol type foams

**SPECIAL FIRE FIGHTING PROCEDURES**
Use water spray to cool bulk tanks

**USUAL FIRE AND EXPLOSION HAZARDS**
None
SECTION V HEALTH HAZARD DATA

Threshold Limit Value
1000 ppm

Effects of Overexposure
Confusion, fainting

Emergency and First Aid Procedures
Swallowing- 2 glasses of water and induce vomiting
Skin- flush with water
Inhalation- Remove to fresh air
Eyes- flush with water, call doctor

SECTION VI REACTIVITY DATA

Stability
UNSTABLE •
STABLE •

Compatibility (Matter to avoid)
Heat, flame ignition sources

Hazardous Decomposition Products
None

Hazardous Polymerization
May Occur
Will Not Occur

Conditions to Avoid
None

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Released or Spilled
Eliminate all sources of ignition, wear protective equipment. Small spills should be flushed with large quantities of water. Large spills should be collected for disposal.

Waste Disposal Method
Incinerate in a furnace where permitted under appropriate Federal State and local requirements.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)
Self contained breathing apparatus in high concentrations

Ventilation
Local Exhaust
This product should be confined
Mechanical (General)

Protective Gloves
Plastic

Protective Equipment
Eye Bath Safety Shower

SECTION IX SPECIAL PRECAUTIONS

Precautions to Be Taken in Handling and Storing
Keep away from heat, sparks and open flame. Avoid contact with eyes

Precautions
Avoid inhalation. Keep container closed. Use with adequate ventilation

Protective Precautions
Wash thoroughly after handling.