**MATERIAL SAFETY DATA SHEET**

**SECTION I**

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

**EMERGENCY TELEPHONE NO.**
(816) 258-2291

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

**CHEMICAL NAME AND SYNONYMS**
2-propanone

**TRADE NAME AND SYNONYMS**
Acetone

**CHEMICAL FAMILY**
Ketone

**FORMULA**
CH₃COCH₃

**SECTION II HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>PAINTS, PRESERVATIVES &amp; SOLVENTS</th>
<th>%</th>
<th>TLV (Units)</th>
<th>ALLOYS AND METALLIC COATINGS</th>
<th>%</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGMENTS</td>
<td>NA</td>
<td></td>
<td>BASE METAL</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CATALYST</td>
<td>NA</td>
<td></td>
<td>ALLOYS</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>VEHICLE</td>
<td>NA</td>
<td></td>
<td>METALLIC COATINGS</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>SOLVENTS</td>
<td>NA</td>
<td></td>
<td>FILLER METAL PLUS COATING OR CORE FLUX</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>ADDITIVES</td>
<td>NA</td>
<td></td>
<td>OTHERS</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>OTHERS</td>
<td>NA</td>
<td></td>
<td>HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES</td>
<td>%</td>
<td>TLV (Units)</td>
</tr>
</tbody>
</table>

Not Applicable

**SECTION III PHYSICAL DATA**

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>56°C (133°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFIC GRAVITY (H₂O=1)</td>
<td>0.792 at 20/20°C (68/68°F)</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>380 mm Hg at 38°C (100°F)</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>2.0</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Complete</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>Clear colorless liquid, sweet pungent odor</td>
</tr>
</tbody>
</table>

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT (Method used)**
Tag closed cup - 18°C (0°F)

**FLAMMABLE LIMITS (At 25°C (77°F))**

<table>
<thead>
<tr>
<th></th>
<th>LFL</th>
<th>UFL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.4</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**EXTINCTION MEDIA**
Dry Chemical or alcohol - type foam. Waterspray may be ineffective

**SPECIAL FIRE FIGHTING PROCEDURES**
Use waterspray to cool fire-exposed surfaces and to protect personnel.

**AUSUAL FIRE AND EXPLOSION HAZARDS**
Respiratory protection required for fire fighting personnel.

Stay upwind, if possible. Cool exposed tanks with water.
SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
1000 ppm

EFFECTS OF OVEREXPOSURE
Acute: Vapor irritates eyes, nose & throat. Liquid may cause eye injury.

Chronic: Liquid is irritating to skin, causing dermatitis.

EMERGENCY AND FIRST AID PROCEDURES
If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If skin contact occurs, wash affected parts thoroughly with soap and water; launder clothing before re-use. If eye contact occurs, flush with water for at least 15 min. and call a physician.

SECTION VI REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>UNSTABLE &amp; CONDITIONS TO AVOID</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABLE</td>
<td>X</td>
</tr>
</tbody>
</table>

INCOMPATIBILITY (Materials to avoid):
Inorganic acids, caustic, amines, alkanolamines, oxygen, halogens, aldehydes, ammonia, oxidizing agents, chlorinated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE

HAZARDOUS POLYMERIZATION:
MAY OCCUR N/A CONDITIONS TO AVOID N/A

WILL NOT OCCUR N/A

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Keep public away. Shut off source if possible to do so without hazard. Eliminate sources of ignition. Warn occupants of downwind areas of explosion hazard. Prevent liquid from entering sewers, watercourses or low areas.

WASTE DISPOSAL METHOD
Contain spilled liquid with sand or earth. Dilute contained spill with water. Recover free liquid by pumping or with a suitable absorbent. Consult a disposal expert and ensure conformity to local regulation.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type):
Use approved respiratory protection such as air-supplied mask if used in enclosed spaces.

VENTILATION
Local exhaust Face Velocity>70 fpm in confined space
Mechanical (General) Explosion-proof ventilation equipment

SPECIAL
No smoking or open lights

PROTECTIVE GLOVES
Chemically resistant gloves

EYE PROTECTION
Chemical splash goggles or face shield

OTHER PROTECTIVE EQUIPMENT
Usually not needed

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep container closed when not in use. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this material may be hazardous when emptied. Emptied containers retain product residues (vapor, liquid, etc.). Observe all Hazard Precautions outlined in this sheet. All handling equipment should be electrically grounded.