MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY
PRODUCT NAME: QUAT 44 - HBV
PRODUCT NUMBER: 02318DN
COMPANY: Essential Industries, Inc.
P.O. Box 12
Merton, WI 53056-0012

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION
HAZARDOUS CHEMICAL IDENTITY

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>%</th>
<th>PEL</th>
<th>TLV</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>60-100</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.D.</td>
<td>N.D.</td>
</tr>
<tr>
<td>5197-80-8</td>
<td>1-5</td>
<td>N.E.</td>
<td>N.E.</td>
<td>250mg/kg</td>
<td>86mg/l 1hr</td>
</tr>
<tr>
<td>64-02-8</td>
<td>1-5</td>
<td>N.E.</td>
<td>N.E.</td>
<td>4100mg/kg</td>
<td>N.D.</td>
</tr>
<tr>
<td>9001-45-9</td>
<td>1-5</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.D.</td>
<td>N.D.</td>
</tr>
</tbody>
</table>

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color: Pink
Boiling Point: 100°C (212°F)
Odor: Citrus
Freezing Point: 0°C (32°F)
Physical State: Liquid
Water/Oil Distribution: N.E.
Solubility in Water: Complete
Odor Threshold: N.E.
VOC Content: 0.0%

Flash Point and Method: N.A.
Autoignition Temperature: N.A.
Extinguishing Media: Use dry chemical or CO2.
Extinguishing Media: N.A.
LEL: N.A.
UEL: N.A.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits: N.A.
LEL: N.A.
UEL: N.A.

Hazardous Combustion Products: N.A.

SECTION 5 - REACTIVITY DATA

Hazardous decomposition of By-Products: None known.

Incompatibility (Materials to Avoid): None known.

Hazardous Polymerization: Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion. Inhalation. Eye contact.
Sensitization: No.

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: May cause severe irritation, redness and possible corneal injury.
Skin: May cause irritation.
Ingestion: May cause gastrointestinal tract irritation and possible mucosal injury.
Inhalation: Prolonged exposure in poorly ventilated area may irritate nasal mucous membranes.

Respiratory Protection: None normally required with adequate ventilation.
Protective Gloves: Rubber to protect sensitive skin.
Protective Clothing and Equipment: As needed to prevent wetting of clothing.
Storage Requirements: Store in cool, dry area. Avoid contamination of food. Follow good housekeeping practices.

Respiratory Protection: Ventilation: Local Exhaust: N.A.
Protective Gloves: Mechanical: Acceptable
Protective Clothing and Equipment: Eye Protection: Safety glasses if splashing is likely.
Storage Requirements: Work and Hygienic Practices: After handling, always wash hands thoroughly with soap and water.

SOCIAL SECURITY NUMBER:

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Steps to be Taken if Material is Spilled or Released: Public waterways.
Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities. Triple rinse container. Do not reuse empty container.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open. Seek medical attention.
Skin: Wash with mild soap and water.
Ingestion: Give gelatin solution, egg whites or 2-3 large glasses of water. Seek medical attention.
Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of the gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department
Phone: 262-538-1122
Date of Preparation: 1/1/2005.