# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code**: 93002  
**Product name**: Lawson’s Rust Converter  
**Recommended Use**: Cleaner  
**Supplier**: Lawson Products, Inc.  
1666 East Touhy Avenue  
Des Plaines, IL 60018  
(847)-827-9666  
**Emergency telephone number**: (888) 426-4851

# 2. HAZARDS IDENTIFICATION

**Emergency Overview**: Irritant.  
**Color**: Opaque Beige  
**Odor**: Very faint  
**Form**: Liquid

**Aggravated Medical Conditions**: None Known.  
**Principal Routes of Exposure**: Eyes. Skin contact. Inhalation. Ingestion.  
**Potential health effects**:

- **Eyes**: Irritation. Redness.  
- **Skin**: Mild irritation.  
- **Inhalation**: none under normal use.  

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Tannic Acid</td>
<td>1401-55-4</td>
<td>1-5</td>
</tr>
</tbody>
</table>

# 4. FIRST AID MEASURES
Eye contact
Flush with plenty of water for at least 15 minutes. If symptoms persist, call a physician.

Skin contact
Flush skin with water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion
Call a physician or Poison Control Center immediately. Do not induce vomiting. Rinse mouth with water and spit out rinse. Give victim a glass of milk. Never give anything by mouth to an unconscious person.

Inhalation
Move to fresh air. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C
No data available

Flash point °F
No data available

Method
Closed cup

Autoignition temperature °C
No data available

Autoignition temperature °F
No data available

Flammability Limits (% in Air)
Upper
No data available

Lower
No data available

Suitable extinguishing media
Water spray. Foam. Carbon dioxide (CO2). Dry chemical.

Extinguishing media which must NOT be used for safety reasons
No information available.

Special Fire-Fighting Procedures
Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling
Keep container closed when not in use. Keep out of reach of children.

Storage
Keep tightly closed in a dry and cool place. Do not freeze.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL (TWA)</th>
<th>OSHA PEL (Ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>240 mg/m³</td>
<td>-</td>
<td>20 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Tannic Acid</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Ventilation and Environmental Controls
Provide local exhaust ventilation. General: adequate.

Hygiene measures
General industrial hygiene practice.

Personal protective equipment

Respiratory protection
None required if adequate ventilation is provided. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand protection
Chemical resistant gloves.

Eye protection
Use safety eyewear designed to protect against splash of liquids.

Skin and body protection
No information available

Other Protective Equipment
An eye wash station should be available

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Very faint</td>
</tr>
<tr>
<td>pH</td>
<td>3.50</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1.0 (H2O)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Color</td>
<td>Opaque Beige</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.13</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC Content</td>
<td>1.00-5.00 %</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
</tr>
<tr>
<td>Boiling point/range °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point °F</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable.
Conditions to avoid
Do not store in extreme temperatures.

Materials to avoid
Strong oxidizers.

Hazardous decomposition products
Oxides of carbon.

Polymerization
Will not occur.

Synergistic Products
No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 (oral,rat)</th>
<th>LD50 (dermal,rat/rabbit)</th>
<th>LC50 (inhalation,rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>470 mg/kg</td>
<td>220 mg/kg</td>
<td>450 ppm</td>
</tr>
<tr>
<td>Tannic Acid 1401-55-4</td>
<td>2260 mg/kg</td>
<td>-</td>
<td>700 ppm</td>
</tr>
</tbody>
</table>

Potential health effects

Sensitization
No information available.

Mutagenic effects
No information available.

Reproductive toxicity
No information available.

Carcinogenic effects
See table below

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH OEL - Carcinogens</th>
<th>IARC</th>
<th>NTP - Known Carcinogens</th>
<th>NTP - Suspected Human Carcinogens</th>
<th>OSHA RTK Carcinogens</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>A3 - Animal Carcinogen</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tannic Acid</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Aquatic toxicity
2-Butoxyethanol
13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products
Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Not Regulated

TDG
Not Regulated

IMDG/IMO
Not Regulated

IATA
Not Regulated
Hazard Class 2.1

MEX
Not Regulated

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>US EPA SARA 313 Emission Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>Listed</td>
</tr>
</tbody>
</table>

State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey - RTK</th>
<th>Pennsylvania - RTK</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>Listed</td>
<td>Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Tannic Acid</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EINECS</th>
<th>DSL</th>
<th>NDSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Tannic Acid</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>Health</td>
</tr>
<tr>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammability</td>
</tr>
<tr>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Physical Hazard</td>
</tr>
<tr>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

Reason for revision: No information available.

Prepared By: T. Heidorn, MSDS Project Lead

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.