PUREX INDUSTRIAL
MATERIAL SAFETY DATA SHEET

K5384 1/91
SECTION I — PRODUCT NAME: Pinosan Disinfectant Cleaner, Brillo

Manufacturer's Name: PUREX INDUSTRIAL
Address: 7300 Bolsa Ave., Westminster, CA 92684-3600
Emergency Telephone No.: (614) 387-6200 Info. Tel. No. (714) 890-3600

SECTION II — HAZARDOUS INFORMATION:

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>CAS. Number</th>
<th>CERCLA RD SPILL lbs.</th>
<th>RCRA Waste No.</th>
<th>ACGIH TLV</th>
<th>OSHA TWA</th>
<th>% WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Alkyl dimethyl benzyl ammonium chloride</td>
<td>139082</td>
<td>Not listed</td>
<td>None</td>
<td>N.L.</td>
<td>N.L.</td>
<td>1.5</td>
</tr>
<tr>
<td>iso-octylphenoxy(poly(ethyleneoxy) ethanol</td>
<td>9002931</td>
<td>Not listed</td>
<td>None</td>
<td>N.L.</td>
<td>N.L.</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

NON-HAZARDOUS COMPONENTS (Over 3%) LISTED PER 34 PA CODE CHS 301, 305, 307 & 309

Water 7732183

CARCINOGENS (As defined in 29CFR 1910.1200)

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

PROPER SHIPPING NAME:

Compound, Cleaning, Liquid, NOI

HAZARD CLASS: Not regulated

HAZARD ID. No.: None

SECTION III — PHYSICAL DATA:

<table>
<thead>
<tr>
<th>BOILING POINT, °F:</th>
<th>212</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>1.0</td>
</tr>
<tr>
<td>VOLATILE, % BY VOL:</td>
<td>84</td>
</tr>
<tr>
<td>EVAPORATION RATE (Water x 1):</td>
<td>1</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER: 100% pH (Conc.):</td>
<td>12.9-13.3</td>
</tr>
<tr>
<td>CLEAR GREEN LIQUID, FINE ODOR</td>
<td></td>
</tr>
</tbody>
</table>

SECTION IV — FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED: None, T.C.C.

EXTINGUISHING MEDIA: None required.

SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION V — HEALTH, EMERGENCY AND FIRST AID INFORMATION:

EFFECTS OF OVER EXPOSURE:

EYES: Slight to moderate irritant.

SKIN: Slight to moderate irritant.

INHALATION: No effects of exposure expected.

INGESTION: Slightly to moderately toxic.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:

No data found.
FIRST AID: EYES. Flush with large amounts of water.

SKIN: Flush with water.

INHALATION: No effects of exposure expected.

INGESTION: Drink several glasses of water or milk.

PRIMARY ROUTES OF ENTRY: INHALATION _No_ SKIN CONTACT _Yes_ OTHER Ingestion

SECTION VI — REACTIVITY DATA:

STABILITY: STABLE _Yes_ UNSTABLE _ _ HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE: Dike area if spillage is large. Mop up spillage, flush with water and allow to dry.

USE SOLUTION: Dike area if spillage is large. Mop up spillage, flush with water and allow to dry.

DISPOSAL INFORMATION: CONCENTRATE: Flush with water into waste treatment systems and/or in full accordance with Federal, State and Local ordinances.

SPENT SOLUTION AND RINSES: Flush with water into waste treatment systems and/or in full accordance with Federal, State and Local ordinances.

SECTION VIII — SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION: None required.

VENTILATION: Normal ventilation systems.

PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES: _No_ GLOVES _Yes_ BOOTS _No_ APRON _No_ PROTECTIVE SUIT _No_ GLOVES, BOOTS, APRON AND SUIT MADE FROM: Rubber or soft plastics.

RECOMMENDED PERSONAL HYGIENE: Use adequate washing facilities. Wash hands or other contact areas thoroughly. Change clothing is wetted with product. Do not reuse clothing wetted with product before clothing is laundered.

SECTION IX — OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING: Normal handling processes; inside storage at 40-100°F. recommended.

MIXING: Avoid spillages. Use normal cautions while pouring out of containers.

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT: A program of regular cleaning, repairing and replacing of worn-out parts and contaminated equipment is highly desirable.

DATE PREPARED: 1/91 Q.C. DEPT. / Prepared By: Kyle Ito, Manager, R&D R & D DEPT. / SAFETY & ENVIRON.