TECHNICAL DATA SHEET

INTRODUCTION

NEXT 3000 is a patented azeotrope-like mixture of 1,2-trans-dichloroethylene and proprietary fluorinated compounds. It was designed as a direct substitute for solvents like nPB, Chemours Vertrel®, 3M Novec®, HCFC-225 and others. NEXT 3000 has a very low global warming potential and effectively zero ozone depletion potential, making it a very environmentally conscious choice. The primary fluorinated compound in this product is also US EPA SNAP approved.

This Technical Data Sheet details NEXT 3000’s physical and chemical properties, environmental profile, health and safety information and typical usage applications. For further information, please consult the Safety Data Sheet (SDS).

APPLICATIONS

This solvent blend is perfectly suited for vapor degreasing in modern equipment, refrigerant flush applications and many others. Its solvency for hydrocarbon soils and fluxes is excellent. It can reliably replace cleaning solvents such as nPB, TCE, Chemours Vertrel®, 3M Novec®, HCFC-225 and others in many applications. It can also be used as a carrier fluid for deposition of materials such as silicone or other oils.

CLEANING METHOD

The most effective and efficient method of using NEXT 3000 for cleaning is vapor degreasing. Modern vapor degreasing equipment that have freeboard chillers set at sub-zero temperatures in addition to refrigerated primary condensing coils are ideal. NEXT 3000 is not subject to NESHAP regulations, however following NESHAP guidelines is recommended in order to minimize evaporative losses.

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AN EFFECTIVE ALTERNATIVE TO N-PROPYL BROMIDE AND HCFC-225

PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear &amp; Bright</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Surface Tension</td>
<td>0.0141 N/m</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.28 kg/l @ 25°C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>34.4°C (94°F)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>0.41 cPs</td>
</tr>
<tr>
<td>Heat Capacity</td>
<td>1.23 kJ/(kg°C)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>223.4 torr</td>
</tr>
<tr>
<td>Vapor Flammability in Air, Vol %</td>
<td></td>
</tr>
<tr>
<td>Lower Limit</td>
<td>6.0%</td>
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<tr>
<td>Upper Limit</td>
<td>10.0%</td>
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</tbody>
</table>

FLAMMABILITY

NEXT 3000 exhibits no flash point on either Pensky-Martens Closed Cup (ASTM D93) or Tag Closed Cup (ASTM D56) methods and is not classified as flammable by NFPA or DOT. However, as is true with almost all halogenated solvents, it does have flammable limits in air with a LEL of 6.0% and a UEL of 10.0% (% by volume in air) in the presence of a high ignition energy source (e.g. a welding torch). NEXT 3000 is not classified as flammable or hazardous for transport by NFPA or DOT.

SOLVENT RECOVERY

This product is readily recoverable by distillation equipment such as a vapor degreaser or still. Because NEXT 3000 is a near azeotrope, the percentages of the different compounds within it will stay within tolerance ranges through regular use and distillation processes. The presence of contaminants may alter the characteristics of the solvent during recovery (e.g. boiling point, etc.). Solvent recovery processes should be monitored to ensure the most efficient recovery possible.

STORAGE AND HANDLING

NEXT 3000 is thermally stable, and will not oxidize or degrade during storage under normal conditions. It is recommended to store the product in a clean, dry area and out of direct sunlight or other heat sources. Do not freeze or store below 32°F (0°C) nor above 125°F (52°C) to prevent leakage or potential rupture of container due to contraction/expansion and pressure changes. Drum pumps are recommended to dispense the solvent from its container. Refer to the Safety Data Sheet for more information, or contact Enviro Tech for further assistance.

MATERIAL COMPATIBILITY

This product is compatible with all metals and most plastics and elastomers. Testing should always be done on parts to be cleaned in a particular process prior to implementing NEXT-3000 into the process.

COMPATIBLE MATERIALS

- Polyethylene
- Polypropylene
- Polyvinylchloride (PVC, CPVC)
- Acetal
- Polyester (PET, BET)
- Epoxy
- Polymide (PI, PEI, PAI)
- PTFE, Teflon
- Polyetherketone (PEK)
- Polysulfone (PSO)
- Polyaryletherketone (PEEK)
- Phenolic
- Polyarylsulfone (PAS)
- Ionomer
- Polyphenylene Sulfide (PPS)
- EPDM

INCOMPATIBLE MATERIALS

- Polystyrene
- Epichlorohydrin
- Polyphenylene Oxide (PPO)
- Silicone
- Polycarbonate
- Natural Rubber
- ABS
- Acrylic

PACKING INFORMATION

PRODUCT IS AVAILABLE IN THE FOLLOWING CONTAINER SIZES AND WEIGHTS:

- 5 GAL PAIL - 50 LBS (23KG)
- 55 GAL DRUM - 551 LBS (250KG)