SAFETY DATA SHEET (SDS)
UltraCrit™ Cleaning Tools

Section 1 - Identification
Manufactured For: Separation Technology, Inc. An EKF Diagnostics Company
Product Name: UltraCrit Cleaning Tools Catalog No: 320-113
Generic Name: Cleaning Tools

570 Monroe Road, Suite 1008
Sanford, Florida 32771
Phone Number: 407-788-8791
Emergency Phone Number: 704-527-3887

Recommended Use:
UltraCrit Cleaning Tools are to be used to clean the UltraCrit and UltraCrit Plus devices.

Section 2 – Hazards(s) Identification
This product is a clear liquid with a slight ether odor in a plastic tube with a foam applicator or as an impregnated wipe. Each swab/wipe contains a small amount (1-1.2 mL) of liquid. When used as indicated, the liquid is inaccessible until the swab is snapped immediately prior to use or the pouched wipe is opened. This product is packaged for the consumer market under 16 CFR 1500.83 (Exemptions for small packages, minor and special circumstances) and is exempt from labeling.

2.1 Classification of the Substance or Mixture

<table>
<thead>
<tr>
<th>Physical</th>
<th>Health</th>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

EU Classification (67/548/EEC): Not classified as dangerous

2.2 Label Elements - None Required
Hazard Phrases – None Required
Precautionary Phrases – None Required

2.3 Other Hazards - None

Section 3 – Composition/Information on Ingredients
Mixtures:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>EU Classification (67/548/EEC)</th>
<th>GHS Classification Regulation (EC) No 1272/2008</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous Ingredients</td>
<td>Mixture</td>
<td>Mixture</td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>90-100</td>
</tr>
<tr>
<td>Dipropylene Glycol Monomethyl Ether</td>
<td>252-104-2</td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>&lt;10</td>
<td></td>
</tr>
</tbody>
</table>

EKF Diagnostics for life
<table>
<thead>
<tr>
<th>Substance</th>
<th>UN Number</th>
<th>CAS Number</th>
<th>GHS Symbols</th>
<th>EU Classification</th>
<th>Limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Monomethyl Ether (PGME)</td>
<td>107-98-2</td>
<td>203-539-1</td>
<td>R10, R67</td>
<td>Flam. Liq. Cat 3 (H226), STOT SE Cat 3 (H336)</td>
<td></td>
</tr>
<tr>
<td>Butoxypropanol</td>
<td>5131-66-8</td>
<td>225-878-4</td>
<td>XI R36/38</td>
<td>Flam. Liq. Cat 3 (H226), Skin Irrit. Cat 2 (H315), Eye Irrit. Cat 2 (H319)</td>
<td></td>
</tr>
</tbody>
</table>

See Section 16 for further information on EU and GHS Classification.

### Section 4 – First Aid Measures

4.1 **Description of First Aid Measures**

- **Eye Contact:** No first aid is required under normal conditions of use. If contact occurs, flush eyes with water, holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.
- **Skin:** No first aid should be required. If skin irritation or rash develops, discontinue use and seek medical attention.
- **Inhalation:** No first aid should be needed.
- **Ingestion:** Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth.

4.2 **Most important symptoms and effects, both acute and delayed:**

Direct contact may cause eye irritation. Prolonged skin contact may cause dryness and irritation.

4.3 **Indication of any immediate medical attention and special treatment needed:** None required under normal conditions of use.

### Section 5 – Fire Fighting Measures

5.1 **Extinguishing Media**

Use water spray or fog, foam, carbon dioxide or dry chemical

5.2 **Special Hazards Arising from the Substance or Mixture**

- **Unusual Fire and Explosion Hazards:** Product will burn under fire conditions.
- **Hazardous Decomposition Products:** Combustion may produce oxides of carbon.

5.3 **Advice for Fire-Fighters**

Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Cool fire exposed containers with water.

### Section 6 – Accidental Release Measures

6.1 **Personal Precautions, Protective Equipment and Emergency Procedures**

Not required.

6.2 **Environmental Precautions**

Report spill as required by local and federal regulations.

6.3 **Methods and Material for Containment and Cleaning Up**

Pick up, wipe and place into an appropriate container for disposal.
6.4 Reference to Other Sections
Refer to Section 8 for protective equipment and Section 15 for disposal considerations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Non-hazardous Ingredients</th>
<th>Exposure Limits</th>
<th>Biological Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Monomethyl Ether</td>
<td>None Established</td>
<td>100 ppm TWA, 150 ppm STEL</td>
<td>None Established</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether</td>
<td>None Established</td>
<td>50 ppm TWA, 100 ppm STEL</td>
<td>None Established</td>
</tr>
<tr>
<td>Butoxypropanol</td>
<td>None Established</td>
<td>None Established</td>
<td>None Established</td>
</tr>
</tbody>
</table>

Refer to local regulations if exposure limits are not listed above.

8.2 Exposure Controls
Engineering Controls: General ventilation is adequate under normal conditions of use.
Respiratory Protection: None required for normal use.
Skin Protection: None required under normal use conditions.
Eye Protection: None required under normal use conditions.
Other: None required.
Section 9 – Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid in a plastic tube with a foam applicator.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight ether odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>212°F (100°C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>LEL – not available, UEL – not available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Same as water</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Saturant – Infinite</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Explosion Properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Same as water</td>
</tr>
<tr>
<td>Release of Invisible Vapors and Gases</td>
<td>No</td>
</tr>
</tbody>
</table>

9.2 Other Information: None

Section 10 – Stability and Reactivity

10.1 Reactivity: Not reactive under normal conditions of use.

10.2 Chemical Stability: Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Keep away from heat, sparks and open flames.

10.5 Incompatible Materials: Avoid strong oxidizing agents, acids, bases, and reactive metals.

10.6 Hazardous Decomposition Products: Thermal decomposition may product oxides of carbon.

Section 11 – Toxicological Information

11.1 Information on Toxicological Effects

- **Eye:** Direct contact with the liquid may cause slight eye irritation
- **Skin:** Prolonged skin contact may cause slight irritation and dryness.
- **Inhalation:** No adverse effects are expected from normal use.
- **Ingestion:** This product contains only a small amount of liquid. Ingestion of large quantities may be harmful.

**Acute Toxicity Values:**

- Non-hazardous Ingredients: No toxicity data available
- Dipropylene Glycol Monomethyl Ether: Oral rat LD50: >5000 mg/kg, Dermal rabbit LD50: >2000 mg/kg
- Propylene Glycol Monomethyl Ether: Oral rat LD50 - 5660 mg/kg; Inhalation rat LC50 - 10,000 ppm/5 hr; Skin rabbit LD50 - 13 gm/kg
- Butoxypropanol: Oral rat LD50: 3300 mg/kg, Inhalation rat LC50: >651 ppm/4hr, Dermal rat LD50: >2000 mg/kg

**Irritation:** Not expected to cause eye or skin irritation.

**Corrosivity:** This is not a corrosive product.
**Sensitization:** This product is not expected to cause sensitization.

**Repeat Dose Toxicity:** No data available.

**Carcinogen Status:** None of the components are listed as a carcinogen by IARC, NTP, ACGIH, OSHA or EU CLP.

**Germ Cell Mutagenicity:** No data available.

**Toxicity for Reproduction:** No data available.

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### Section 12 – Ecological Information

<table>
<thead>
<tr>
<th>12.1.1 Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Monomethyl Ether: 96 hr LC50 Fathead minnow: 20800mg/L; 48hr LC50 Daphnia Magna: 23300mg/L</td>
</tr>
<tr>
<td>Dipropylene Glycol Monomethyl Ether: 96hr LC50 Fathead minnow: &gt;10000mg/L, 48hr LC50 Daphnia Magna: 1919mg/L</td>
</tr>
<tr>
<td>Butoxypropanol: 96 hr LC50 Fathead minnow: 1060 mg/L, 48 hr EC50 Daphnia magna: &gt;1000 mg/L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.2 Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol Monomethyl Ether: Readily biodegradable - 90% after 29 days</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.3 Bioaccumulative Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.4 Mobility in Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.5 Results of PBT and vPvB Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not required.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.6 Other Adverse Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known.</td>
</tr>
</tbody>
</table>

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### Section 13 – Disposal Consideration

<table>
<thead>
<tr>
<th>13.1 Waste Treatment Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose in accordance with local and national environmental regulations.</td>
</tr>
</tbody>
</table>

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### Section 14 – Transport Information

<table>
<thead>
<tr>
<th>14.1 UN Number</th>
<th>14.2 UN Proper Shipping Name</th>
<th>14.3 Transport Hazard Class(es)</th>
<th>14.4 Packing Group</th>
<th>14.5 Environmental Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EU ADR/RID</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICAO</td>
<td>Not Regulated</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for User:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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Section 15 – Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

**US Regulatory Information**

EPA SARA 311 Hazard Classification: Not Hazardous

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contact contains the following materials known to the state of California to cause cancer and/or reproductive harm: None.

**Canadian Regulatory Information:** Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.

**Australian Regulations:**

Montreal Protocol (Ozone Depleting Substances): None present

The Stockholm Convention (Persistent Organic Pollutants): None present

The Rotterdam Convention (Prior Informed Consent): Not applicable

Basel Convention: Not applicable

**International Convention for the Prevention of Pollution from Ships (MARPOL):** Not applicable

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** No ingredients are listed.

**International Inventories:**

US EPA TSCA Inventory: All of the components are listed on the TSCA inventory.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.

European Union: All of the ingredients are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL). Japan: All of the components of this product are listed on the Japanese Existing and New Chemical Substances List (ENCS).

New Zealand: All of the components of this product are listed on the New Zealand Inventory of Chemical (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).
Section 16 – Other Information

SDS Revision History: 4/30/15: New SDS

GHS Phrases for Reference (See Section 2 and 3):
Flam. Liq. Cat 3 Flammable Liquid Category 3 Skin Irrit. Cat 2 Skin Irritant Category 2
Eye Irrit Cat 2 Eye Irritation Category 2
STOT SE Cat 3 Specific Target Organ Toxicity Single Exposure Category 3
H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):
Xi Irritant
R10 Flammable.
R36/38 Irritating to eyes and skin.
R67 Vapours may cause drowsiness or dizziness.

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