

**SAFETY DATA SHEET (SDS)**  
UltraCrit™ Cleaning Tools

**Section 1 - Identification**

Manufactured For: Separation Technology, Inc. An EKF Diagnostics Company 570 Monroe Road, Suite 1008 Sanford, Florida 32771 Phone Number: 407-788-8791 Emergency Phone Number: 704-527-3887	Product Name: UltraCrit Cleaning Tools Generic Name: Cleaning Tools Catalog No: 320-113
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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 16CFR1500.83 (Exemptions for small packages, minor and special circumstances) and is exempt from labeling.

2.1 Classification of the Substance or Mixture

Physical:	Health:	Environmental:
None	None	None

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:

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Non-hazardous Ingredients	Mixture	Mixture	Not Classified	Not Classified	90-100
Dipropylene Glycol Monomethyl Ether		252-104-2	Not Classified	Not Classified	<10

Propylene Glycol Monomethyl Ether (PGME)	107-98-2	203-539-1	R10, R67	Flam. Liq. Cat 3 (H226), STOT SE Cat 3 (H336)	<10
Butoxypropanol	5131-66-8	225-878-4	Xi R36/38	Flam. Liq. Cat 3 (H226), Skin Irrit. Cat 2 (H315), Eye Irrit. Cat 2 (H319)	<10

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.

**Section 7 – Handling and Storage**

7.1 Precautions for Safe Handling

Avoid contact with the eyes. Wash hands with soap and water after use.

7.2 Conditions for Safe Storage, Including any Incompatibilities

None known

7.3 Specific End Use(s)

Technical cleaning

**Section 8 – Exposure Controls/Personal Protection**

8.1 Control Parameters

Chemical Name	Exposure Limits	Biological Limit Value
Non-hazardous Ingredients	None Established	None Established
Dipropylene Glycol Monomethyl Ether	100 ppm TWA, 150 ppm STEL ACGIH TLV (Skin) 100 ppm TWA OSHA PEL (Skin) 50 ppm TWA, 50 ppm STEL DFG MAK 50 ppm TWA UK WEL 50 ppm TWA EU OEL 50 ppm TWA AU OEL	None Established
Propylene Glycol Monomethyl Ether	50 ppm TWA, 100 ppm STEL ACGIH TLV 100 ppm TWA, 200 ppm STEL DFG MAK 100 ppm TWA, 150 ppm STEL UK WEL 100 ppm TWA, 150 ppm STEL EU OEL 100 ppm TWA, 150 ppm STEL AU OEL	None Established
Butoxypropanol	None Established	None Established

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

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

### 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.

## Section 12 – Ecological Information

### 12.1 Toxicity

Propylene Glycol Monomethyl Ether: 96 hr LC50 Fathead minnow: 20800mg/L; 48hr LC50

Daphnia Magna: 23300mg/L

Dipropylene Glycol Monomethyl Ether: 96hr LC50 Fathead minnow: >10000mg/L, 48hr LC50 Daphnia magna: 1919mg/L

Butoxypropanol: 96 hr LC50 Fathead minnow: 1060 mg/L, 48 hr EC50 Daphnia magna: >1000 mg/L

### 12.2 Persistence and Degradability

Propylene Glycol Monomethyl Ether: Readily biodegradable - 90% after 29 days

### 12.3 Bioaccumulative Potential

No data available.

### 12.4 Mobility in Soil

No data available.

### 12.5 Results of PBT and vPvB Assessment

Not required.

### 12.6 Other Adverse Effects

None known.

## Section 13 – Disposal Consideration

### 13.1 Waste Treatment Methods

Dispose in accordance with local and national environmental regulations.

## Section 14 – Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
ICAO		Not Regulated			

14.6 Special precautions for User: None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

## 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 Substances 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 Substances (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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