



# Safety Data Sheet

ACCURUN® A378, A873, A381 HPY PreservCyt

SDS-ACRN-08

Rev. Number: 4

Rev. Date: Sep 16, 2016

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
ACCURUN® 873	2035-0005, 2035-0006, A873-50XX
ACCURUN® 381	2025-0060
ACCURUN® 378	2025-0043, A378-50XX

### Hazardous Reagent

Product Description listed above

### Hazardous Reagent Product code

Catalog No. listed above

### Recommended Use:

Reagent

### Contact

#### Manufacturer:

SeraCare Life Sciences  
37 Birch Street  
Milford, MA 01757

#### Phone #:

(508) 244-6400  
US Toll Free: (800) 676-1881

#### Fax #:

(508) 634-3394

#### Web:

www.seracare.com

#### Email:

customerservice@seracare.com

### Emergency Telephone Numbers:

AUSTRALIA – POISONS INFORMATION CENTER

Telephone: 13 11 26 - Hours: 24 hours

CANADIAN TRANSPORT EMERGENCY CENTER

Telephone: (1 ) 613 996 6666 - Hours: 24 hours/day, 7 days/week

UK – THE NATIONAL FOCUS

Telephone: (44) 029 2041 6388 - Hours: 09:00-17:00 GMT

USA - NATIONAL RESPONSE CENTER

Telephone: (1 ) 800 424 8802 - Hours: 24 hours/day, 7 days/week

### CHEMTREC:

CHEMTREC Customer Number:- CCN12505\*  
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN12505 or  
+1 703-527-3887 (collect calls accepted)

## 2. HAZARD IDENTIFICATION

### Hazard Type

Health, Fire and Environmental Hazard. This product contains the following Proposition 65 chemicals: Methanol Type of Toxicity: developmental CAS No. 67-56-1 Date Listed: March 16, 2012

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

<b>GHS Classification</b>	Flammable liquids, Category 2; H225 Acute toxicity, Category 3, inhalation; H331 Acute toxicity, Category 3, dermal; H311 Acute toxicity, Category 3, oral; H301 Specific Target Organ Toxicity (single exposure), Category 2; H371
<b>Hazard Statements:</b>	H331: Toxic if inhaled. H311: Toxic in contact with skin H301: Toxic if swallowed
<b>Precautionary Statements:</b>	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P284: Wear respiratory protection. P264 : Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P261 Avoid breathing mist/vapours/ spray.
<b>Symbols and Indications of Danger:</b>	Dgr: Danger

**Principle Route of Exposure:**

<b>Acute Effects: Eye</b>	In case of contact, immediately flush eyes with a large amount of water for at least 15 minutes while holding the eyelids open to assure that the entire surface is flushed. Seek medical attention.
<b>Acute Effects: Skin:</b>	Remove contaminated clothing and shoes. In case of contact, immediately wash the contact area thoroughly with soap and a large amount of water. Seek medical attention.
<b>Acute Effects: Inhalation:</b>	Remove patient to fresh air. If symptoms of intoxication or vision problems are apparent, seek immediate medical attention.
<b>Acute Effects: Ingestion:</b>	
<b>Chronic Effects:</b>	Methanol is a flammable liquid. Inhalation of vapors may cause non-specific discomfort (nausea, weakness), drowsiness with anesthetic effects and possible blindness. Swallowing as little as 4 ounces (118 mL) may cause blindness and in extreme cases death.
<b>Additional Information:</b>	The product contains no substances which at their given concentration, are considered to be hazardous to health

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
ACCURUN® A378, A873, A381 HPY PreservCyt	Methyl Alcohol	60%	67-56-1
<b>GHS Classification:</b>	Flammable liquids, Category 2; H225 Acute toxicity, Category 3, inhalation; H331 Acute toxicity, Category 3, dermal; H311 Acute toxicity, Category 3, oral; H301 Specific Target Organ Toxicity (single exposure), Category 2; H371 <b>A378, A873, A381</b>		

#### 4. FIRST AID MEASURES

<b>General Advice:</b>	Wash contaminated clothing before reuse. Consult a physician if irritation persists.
<b>Oral Exposure:</b>	Avoid swallowing the material. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. If conscious, rinse mouth with water. Seek medical attention.
<b>Inhalation Exposure:</b>	Remove patient to fresh air. If symptoms of intoxication or vision problems are apparent, seek immediate medical attention.
<b>Skin Exposure:</b>	Remove contaminated clothing and shoes. In case of contact, immediately wash the contact area thoroughly with soap and a large amount of water. Seek medical attention.
<b>Eye Exposure:</b>	In case of contact, immediately flush eyes with a large amount of water for at least 15 minutes while holding the eyelids open to assure that the entire surface is flushed. Seek medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use dry chemical, alcohol-resistant foam or carbon dioxide for the surrounding fire.
<b>Unusual Fire and Explosive Hazards:</b>	May emit toxic and/or explosive vapors under fire conditions.
<b>Flash Point:</b>	80 °F (26.5 °C)
<b>Auto ignition Temperature:</b>	725 °F (385 °C)
<b>Flammability Statement:</b>	This product is flammable (flammable limits LEL=6.7 and UEL=36)
<b>Specific hazards arising from the chemical:</b>	Hazardous combustion products may include carbon monoxide, formaldehyde, and carbon dioxide.
<b>Protective equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus and protective clothing to prevent exposure to eyes and skin. Flame invisible in daylight.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Data for 100% Methyl Alcohol (67-56-1): Precautionary Statement - P-phrases: P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P309+P310: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. (Unofficial P-phrase combination)
<b>Environmental Precautions:</b>	Data for 100% Methyl Alcohol (67-56-1): Endangerment of drinking water and environment: Maybe a hazard to drinking water sources when very large quantities get into groundwater. Inform the responsible authorities
<b>Method of Containment:</b>	Collect leaking and spilled liquid in sealable containers as far as possible.
<b>Methods of Clean-up:</b>	Clean up of spills requires no special equipment or procedures. Clean with copious amounts of water.
<b>Other Information:</b>	Not Applicable

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Wear appropriate PPE. See section 8.
<b>Storage:</b>	Store as labeled and away from excessive heat and sources of ignition.

## 8. EXPOSURE CONTROL

<b>Respiratory Protection:</b>	Ventilation, local exhaust, or breathing protection.
<b>Eye Protection:</b>	Safety goggles. Safety spectacles.
<b>Skin Protection:</b>	Protective gloves. Protective clothing.
<b>Ingestion:</b>	Do not eat, drink, or smoke during work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Slightly cloudy colorless liquid with alcohol type odor.
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Boiling Point:</b>	148 °F/64 °C
<b>Evaporation Rate:</b>	>1
<b>Vapor Density:</b>	~1.1
<b>Vapor Pressure:</b>	127 mm Hg
<b>Relative Density:</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Water Solubility:</b>	Dilutable
<b>Flammability:</b>	Flammable
<b>Flash Point:</b>	80 °F (26.5 °C)
<b>Viscosity:</b>	Not Available
<b>Oxidizing Properties:</b>	Not Available
<b>Explosive Properties:</b>	Not Available
<b>Additional Parameters:</b>	See Datasheet/Product Insert for other Product Information.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	Data for 100% Methyl Alcohol: Reacts violently with oxidants. This generates fire and explosion hazard. The vapour mixes well with air, explosive mixtures are easily formed.
<b>Incompatibility Materials to Avoid:</b>	Strong oxidizing agents and reducing agents
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide, Carbon Dioxide
<b>Hazardous Polymerization:</b>	Will not occur
<b>Possibility of hazardous reactions:</b>	Data for 100% Methyl Alcohol: Reacts violently with oxidants. This generates fire and explosion hazard. The vapour mixes well with air, explosive mixtures are easily formed.

## 11. TOXICOLOGY MEASURES

### Acute Toxicity

The following toxicological information is for the hazardous ingredient in pure form.

<b>LD50 Oral:</b>	Data for 100% Methyl Alcohol: LD50 oral rat: 5630 mg/kg Reference: Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 19(11), Pg. 27, 1975. Acutely Toxic
<b>LD50 Dermal:</b>	Data for 100% Methyl Alcohol: LD50 dermal Rabbit : 15800 mg/kg Reference: Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974. Acutely Toxic

<b>LC50 Inhalation:</b>	Data for 100% Methyl Alcohol: LC50 inhalation rat: 83,9 mg/l/4 h Reference: Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974. Acutely Toxic
<b><u>Chronic Toxicity</u></b>	
<b>Carcinogenicity:</b>	Not Available
<b>Irritation:</b>	Data for 100% Methyl Alcohol: Main toxic effects: Acute: Irritation to the eyes, CNS depression, systemic damage to the eyes Chronic: Neurological symptoms, irritation to the nasal mucous membranes through exposure to higher vapor concentrations, damage to the skin due to repeated contact.
<b>Corrosivity:</b>	Not Available
<b>Sensitization:</b>	Not Available
<b>Neurological Effects:</b>	Not Available
<b>Mutagenic Effects:</b>	Not Available
<b>Reproductive Effects:</b>	Not Available
<b>Developmental Effects:</b>	This product contains the following Proposition 65 chemicals: Methanol Type of Toxicity: developmental CAS No. 67-56-1 Date Listed: March 16, 2012
<b>Target Organ Effects:</b>	Data for 100% Methyl Alcohol: Eyes, skin, respiratory system, central nervous system, gastrointestinal tract
<b>Other adverse effects:</b>	Data for 100% Methyl Alcohol: Effects of short-term exposure  The substance is irritating to the eyes, skin and respiratory tract. The substance may cause effects on the central nervous system. This may result in loss of consciousness. Exposure could cause blindness and death. The effects may be delayed. Medical observation is indicated.  Effects of long-term or repeated exposure  Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the central nervous system. This may result in persistent or recurring headaches and impaired vision.

## 12. ECOLOGICAL MEASURES

<b>Ecotoxicity:</b>	Data for 100% Methyl Alcohol: Acute Toxicity to Fish - LC50 Fish (96 hours) Minimum: 15000 mg/l Maximum: 29400 mg/l Median: 24000 mg/l Study number: 8  Reference: Poirier, S.H., M.L. Knuth, C.D. Anderson-Buchou, L.T. Brooke, A.R. Lima, and P.J. Shubat 1986. Comparative Toxicity of Methanol and N,N-Dimethylformamide to Freshwater Fish and Invertebrates. Bull. Environ. Contam. Toxicol. 37(4):615-621; Bengtsson, B.E., L. Renberg, and M. Tarkpea 1984. Molecular Structure and Aquatic Toxicity – an Example with C1-C13 Aliphatic Alcohols. Chemosphere 13(5/6):613-622
<b>Persistence/Degradability:</b>	Not Available
<b>Mobility in Environmental Media:</b>	Not Available
<b>Bioaccumulation/Accumulation:</b>	Not Available

### 13. DISPOSAL MEASURES

<b>Waste Disposal Method:</b>	Treatment, storage and transportation must comply with all Federal, State, and Local laws concerning health and pollution.
<b>Contaminated Packaging:</b>	Avoid contact with skin and clothing. Place contaminated packaging in a break proof outer vessel and dispose on in compliance with national and local regulations.
<b>US EPA Waste Number:</b>	Not Available

### 14. TRANSPORTATION MEASURES

<b>DOT:</b>	UN1992; Flammable Liquids, Toxic, n.o.s (methanol solution), 3(6.1), E1, Excepted quantity label
<b>IATA:</b>	UN1992; Flammable Liquids, Toxic, n.o.s (methanol solution), 3(6.1), E1, Excepted quantity label
<b>ADR (road)/ RID (rail):</b>	UN1992; Flammable Liquids, Toxic, n.o.s (methanol solution), 3(6.1), E1, Excepted quantity label
<b>IMDG (sea):</b>	UN1992; Flammable Liquids, Toxic, n.o.s (methanol solution), 3(6.1), E1, Excepted quantity label
<b>General Transport Regulations</b>	UN1992; Flammable Liquids, Toxic, n.o.s (methanol solution), 3(6.1), E1, Excepted quantity label

### 15. REGULATORY MEASURES

**This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200 (OSHA HCS).**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (See 40 CFR 61)**

Not Listed

#### **State Regulations**

##### **California Proposition 65:**

This product contains the following Proposition 65 chemicals: Methanol Type of Toxicity: developmental CAS No. 67-56-1  
Date Listed: March 16, 2012

##### **State Right to Know Act**

<b>Chemical Name</b>	<b>Methyl Alcohol</b>
<b>Massachusetts:</b>	Listed
<b>New Jersey:</b>	Listed
<b>Pennsylvania:</b>	Listed
<b>New York:</b>	Listed
<b>Rhode Island:</b>	Listed

##### **International Inventories**

<b>Chemical Name</b>	<b>Methyl Alcohol</b>
<b>TSCA:</b>	Listed

SDS-ACRN-08

Rev. Number: 4

Rev. Date: Sep 16, 2016

**DSL:** Listed  
**NDSL:** Not Listed  
**EINECS:** Listed  
**CHINA:** Listed  
**KECL:** Listed  
**JAPAN:** Listed  
**AICS:** Listed

**EU Regulations**

**Annex I Index#:** Data for 100% Methyl Alcohol:  
 Annex I Index# : 603-001-00-X

**Classification:** Flammable liquids, Category 2; H225  
 Acute toxicity, Category 3, inhalation; H331  
 Acute toxicity, Category 3, dermal; H311  
 Acute toxicity, Category 3, oral; H301  
 Specific Target Organ Toxicity (single exposure), Category 2; H371

**Hazard Statements:** H331: Toxic if inhaled.  
 H311: Toxic in contact with skin.  
 H301: Toxic if swallowed.

**Precautionary Statements:** P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P284: Wear respiratory protection.  
 P264 : Wash skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P261 Avoid breathing mist/vapours/ spray.

**Symbols and Indications of Danger:** Dgr: Danger

**Specific Concentration Limits:** STOT SE 1; H370: C  $\geq$  10 %  
 STOT SE 2; H371: 3 %  $\leq$  C < 10 %

**16. OTHER INFORMATION**

The above information is believed to be accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. SeraCare Life Sciences makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. SeraCare assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Safety Data Sheet.