



# Safety Data Sheet

A372 and A872 HPV SurePath

SDS-ACRN-07

Rev. Number: 3 Rev. Date: Dec 18, 2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Description:</b>	<b>Product Code</b>
ACCURUN® 372 Series 400	A372-40XX
ACCURUN 372 Series 600	A372-56XX
ACCURUN 872	A872-50XX

**Hazardous Reagent**  
Product Description listed above

**Hazardous Reagent Product code**  
Catalog No. listed above

**Recommended Use:** Reference 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** Fire Hazard: Flammable

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

**GHS Classification** Flammable liquids, Category 2; H225

**Hazard Statements:** H225: Highly flammable liquid and vapor.

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**Precautionary Statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.

**Symbols and Indications of Danger:** GHS02 Dgr: Danger



**Principle Route of Exposure:** Not Applicable

**Acute Effects: Eye** May cause redness and irritation

**Acute Effects: Skin:** Dry skin and Irritation may occur

**Acute Effects: Inhalation:** May be harmful if inhaled in very large quantities.

**Acute Effects: Ingestion:** May be harmful if swallowed.

**Chronic Effects:** Not Available

**Additional Information:** 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>
SDS-ACRN-07	Ethanol	< 50	64-17-5
	Methanol	< 2	67-56-1
	Isopropanol	< 2	67-63-0

**GHS Classification:** Flammable liquids, Category 2; H225

The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC) No 1272/2008

### 4. FIRST AID MEASURES

**General Advice:** Wash contaminated clothing before reuse. Seek medical attention if necessary.

**Oral Exposure:** Rinse mouth. Refer for medical attention.

**Inhalation Exposure:** Fresh air, rest.

**Skin Exposure:** Remove contaminated clothes. Rinse and then wash skin with water and soap.

**Eye Exposure:** First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Powder, alcohol-resistant foam, water in large amounts, carbon dioxide.

**Unusual Fire and Explosive Hazards:** Vapor / air mixtures are explosive.

**Flash Point:** Closed cup: 38 to 43°C

**Auto ignition Temperature:** Data for 100% Ethyl Alcohol: 363°C

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**Flammability Statement:** Data for 100% Ethanol: HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

**Specific hazards arising from the chemical:** Data for 100% Ethanol: The vapor mixes well with air, explosive mixtures are easily formed.

**Protective equipment and precautions for firefighters:** In case of fire: keep drums, etc., cool by spraying with water.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate personal protective clothing to prevent skin contact. Remove: Work clothing that becomes wet should be immediately removed due to its flammability hazard(i.e. for liquids with flash point < 100°F)

**Environmental Precautions:** Not Available

**Method of Containment:** Collect leaking and spilled liquid in sealable containers as far as possible.

**Methods of Clean-up:** Wash away remainder with plenty of water.

**Other Information:** Data for 100% Ethyl Alcohol: Non-Fire Response

Keep sparks, flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as necessary. Attempt to stop leak if without undue personnel hazard. Use water spray to knock-down vapor.

Land spill: Dig a pit, pond, lagoon, holding area to contain liquid or solid material. Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash, cement powder, or commercial sorbents. Water spill: Use natural barriers or oil spill control booms to limit spill travel. Remove trapped material with suction hoses. (AAR, 2003)

## 7. HANDLING AND STORAGE

**Handling:** Wear appropriate PPE. Refer to section 8.

**Storage:** Store at 2-8 °C separated from strong oxidants.

## 8. EXPOSURE CONTROL

**Respiratory Protection:** Ventilation, local exhaust, or breathing protection.

**Eye Protection:** Safety goggles.

**Skin Protection:** Protective gloves. Protective clothing.

**Ingestion:** Do not eat, drink, or smoke during work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Slightly cloudy, colorless

**Physical State:** Liquid

**Odor:** Mild alcohol odor.

**Odor Threshold:** Not Available

**pH:** 6.0 – 8.0

**Boiling Point:** 86 °C

**Evaporation Rate:** >1

**Vapor Density:** Data for 100% Ethyl Alcohol: (air = 1): 1.6

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<b>Vapor Pressure:</b>	44 mm Hg
<b>Relative Density:</b>	Data for 100% Ethyl Alcohol: (water = 1) 0.8
<b>Auto-Ignition Temperature:</b>	Data for 100% Ethyl Alcohol: 363°C
<b>Water Solubility:</b>	Data for 100% Ethyl Alcohol: miscible
<b>Flammability:</b>	Data for 100% Ethyl Alcohol: 3: may ignite at ambient temperature
<b>Flash Point:</b>	35 °C
<b>Viscosity:</b>	Not Available
<b>Oxidizing Properties:</b>	Not Available
<b>Explosive Properties:</b>	Data for 100% Ethyl Alcohol: vol% in air 3.3-19 Upper Explosive Limit: 19.0 % (NIOSH, 2003)
<b>Additional Parameters:</b>	See Datasheet/Product Insert for other Product Information.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	This material is stable under normal temperatures and pressures, is a mild oxidizing agent, and polymerization will not occur.
<b>Conditions to avoid:</b>	Avoid excess heat, sources of ignition and direct sunlight.
<b>Incompatibility Materials to Avoid:</b>	Oxidizing agents, Peroxides, Acids, Acid Chlorides, Acid Anhydrides, Alkali Metals, and Ammonia.
<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% Ethyl Alcohol: Reacts slowly with calcium hypochlorite, silver oxide and ammonia, causing fire and explosion hazard. Reacts violently with strong oxidants such as nitric acid, silver nitrate, mercuric nitrate or magnesium perchlorate, causing fire and explosion hazard.

## 11. TOXICOLOGY MEASURES

### Acute Toxicity

The toxicological risks are minor due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

<b>LD50 Oral:</b>	Data for 100% Ethyl Alcohol: LD50 Mouse oral 3450 mg/kg; LD50 Guinea pig oral 5.6 g/kg
<b>LD50 Dermal:</b>	Data for 100% Ethyl Alcohol: LD50 Rat iv 1440 mg/kg; LD50 Mouse iv 1973 mg/kg
<b>LC50 Inhalation:</b>	Data for 100% Ethyl Alcohol: LC50 Mouse inhalation 39 mg/cu m/4 hr; LC50 Rat inhalation 20000 ppm/ 10 hrs.

### Chronic Toxicity

<b>Carcinogenicity:</b>	Data for 100% Ethanol: MAK-COMMISSION - Category 5 (No considerable risk)
<b>Irritation:</b>	Data for 100% Ethanol: An eye and skin irritant
<b>Corrosivity:</b>	No Data Available
<b>Sensitization:</b>	No Data Available
<b>Neurological Effects:</b>	No Data Available
<b>Mutagenic Effects:</b>	Data for 100% Ethyl Alcohol: MAK COMMISSION Germ Cell Mutagenic- Category 5 (Substance with minimal effect)

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<b>Reproductive Effects:</b>	Data for 100% Ethyl Alcohol: Ethanol consumption during pregnancy may adversely affect the unborn child. MAK COMMISSION - Group C (There is no reason to fear a risk of damage to the developing embryo or fetus when MAK and BAT values are adhered to.)
<b>Developmental Effects:</b>	No Data Available
<b>Target Organ Effects:</b>	Data for 100% Ethyl Alcohol: Eyes, skin, respiratory system, central nervous system, liver, blood, reproductive system  Data for 100% Ethyl Alcohol: Effects of short-term exposure The substance irritates the eyes. Inhalation of high concentration of vapor may cause irritation of the eyes and respiratory tract. The substance may cause effects on the central nervous system.
<b>Other adverse effects:</b>	Effects of long-term or repeated exposure The liquid defats the skin. The substance may have effects on the upper respiratory tract and central nervous system, resulting in irritation, headache, fatigue and lack of concentration.

## 12. ECOLOGICAL MEASURES

<b>Ecotoxicity:</b>	Data for 100% Ethanol: Crustacean (Daphnia magna) EC50 (IMM) 48 hr 9.300 mg/L ; NOEC (Reproduction Rate) 9 day 9.6 mg/L (Slightly harmful in the aquatic environment or otherwise designed for biocidal action)
<b>Persistence/Degradability:</b>	Data for 100% Ethanol: Readily biodegradable (74% after 5 days)
<b>Mobility in Environmental Media:</b>	Not Available
<b>Bioaccumulation/Accumulation:</b>	Data for 100% Ethanol: Not likely to bioaccumulate (calculated logBCF=0.5).

## 13. DISPOSAL MEASURES

<b>Waste Disposal Method:</b>	Observe all Federal, State and Local laws concerning health and pollution.
<b>Contaminated Packaging:</b>	Dispose of in compliance with the respective 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 (Ethanol), 3(6.1), E1, Excepted quantity label
<b>IATA:</b>	UN1992; Flammable Liquids, Toxic, n.o.s (Ethanol), 3(6.1), E1, Excepted quantity label
<b>ADR (road)/ RID (rail):</b>	UN1992; Flammable Liquids, Toxic, n.o.s (Ethanol), 3(6.1), E1, Excepted quantity label
<b>IMDG (sea):</b>	UN1992; Flammable Liquids, Toxic, n.o.s (Ethanol), 3(6.1), E1, Excepted quantity label
<b>General Transport Regulations</b>	UN1992; Flammable Liquids, Toxic, n.o.s (Ethanol), 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 Not Listed

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

<b>Chemical Name</b>	<b>Ethanol</b>
<b>Massachusetts:</b>	Listed
<b>New Jersey:</b>	Listed
<b>Pennsylvania:</b>	Listed
<b>New York:</b>	Listed
<b>Rhode Island:</b>	Not Listed

#### **International Inventories**

<b>Chemical Name</b>	<b>Ethanol</b>
<b>TSCAL:</b>	Listed
<b>DSL:</b>	Listed
<b>NDSL:</b>	Not Listed
<b>EINECS:</b>	Listed
<b>CHINA:</b>	Listed
<b>KECL:</b>	Listed
<b>JAPAN:</b>	Listed
<b>AICS:</b>	Listed

#### **EU Regulations**

<b>Annex I Index#:</b>	Annex I Index# : 603-002-00-5
	Substance Name
	in Annex 1 : ethanol
	ethyl alcohol

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<b>Classification:</b>	Flammable liquids, Category 2; H225
	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC) No 1272/2008
<b>Hazard Statements:</b>	H225: Highly flammable liquid and vapour.
<b>Precautionary Statements:</b>	P210: Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.
<b>Symbols and Indications of Danger:</b>	GHS02 Dgr: Danger
<b>Specific Concentration Limits:</b>	Not Applicable

## 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 Material Safety Data Sheet.