



Safety Data Sheet

CAP HPVK SurePath SDS

SDS-OEM-CAP-HPVK

Rev. Number: 7

Rev. Date: Aug 12, 2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
CAP HPVK SurePath Surveys	2600-0090;2600-0092;2600-0232;2600-0090;2600-0258; 2600-0260;2600-0262;2600-0264;2600-0276;2600-0278; 2600-0280;2600-0282;2600-0284;2600-0296;2600-0298; 2600-0300;2600-0302;2600-0304

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.

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>
Survey	Ethanol	< 50	64-17-5
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

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

Vapor Pressure: 44 mm Hg

Relative Density: Data for 100% Ethyl Alcohol: (water = 1) 0.8

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

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under normal temperatures and pressures, is a mild oxidizing agent, and polymerization will not occur.
Conditions to avoid:	Avoid excess heat, sources of ignition and direct sunlight.
Incompatibility Materials to Avoid:	Oxidizing agents, Peroxides, Acids, Acid Chlorides, Acid Anhydrides, Alkali Metals, and Ammonia.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization:	Will not occur
Possibility of hazardous reactions:	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.

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

Chronic Toxicity

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

Developmental Effects:	No Data Available
Target Organ Effects:	Data for 100% Ethyl Alcohol: Eyes, skin, respiratory system, central nervous system, liver, blood, reproductive system.
Other adverse effects:	<p>Data for 100% Ethyl Alcohol:</p> <p>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.</p> <p>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.</p>

12. ECOLOGICAL MEASURES

Ecotoxicity:	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)
Persistence/Degradability:	Data for 100% Ethanol: Readily biodegradable (74% after 5 days)
Mobility in Environmental Media:	Not Available
Bioaccumulation/Accumulation:	Data for 100% Ethanol: Not likely to bioaccumulate (calculated logBCF=0.5).

13. DISPOSAL MEASURES

Waste Disposal Method:	Observe all Federal, State and Local laws concerning health and pollution.
Contaminated Packaging:	Dispose of in compliance with the respective national and local regulations.
US EPA Waste Number:	Not Available

14. TRANSPORTATION MEASURES

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

Chemical Name	Ethanol
Massachusetts:	Listed
New Jersey:	Listed
Pennsylvania:	Listed
New York:	Listed
Rhode Island:	Not Listed

International Inventories

Chemical Name	Ethanol
TSCAL:	Listed
DSL:	Listed
NDSL:	Not Listed
EINECS:	Listed
CHINA:	Listed
KECL:	Listed
JAPAN:	Listed
AICS:	Listed

EU Regulations

Annex I Index#: Annex I Index# : 603-002-00-5

Substance Name
in Annex 1 : ethanol
ethyl alcohol

Classification: Flammable liquids, Category 2; H225

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC)
No 1272/2008

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Symbols and Indications of Danger: GHS02 Dgr: Danger

Specific Concentration Limits: 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.