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MSDS  
Material Safety Data Sheet



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**COULTER DIAGNOSTICS DIVISION**

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**SECTION I - PRODUCT IDENTIFICATION**

Product Name : **S-CAL® CALIBRATOR Kit**

CAS Number : None

NIOSH/RTECS Number: None

Common Synonyms : Whole Blood Reference Calibrator

• Product Part Number(s) :

Coulter Safety Information

[2]	Health	<u>Code</u>
[0]	Flammability	0 = none
[0]	Reactivity	1 = slight
[2]	Contact	2 = caution
		3 = severe

Laboratory Protective Equipment for Normal Use :

Standard safety equipment (e.g., laboratory coat, safety glasses and protective gloves) should be worn when handling this product.

**WARNING**

**POTENTIAL BIOHAZARDOUS MATERIAL**

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EACH DONOR UNIT USED IN THE PREPARATION OF THIS MATERIAL WAS TESTED BY AN FDA APPROVED METHOD FOR THE PRESENCE OF THE ANTIBODY TO HUMAN IMMUNODEFICIENCY VIRUS (HIV), HEPATITIS C VIRUS (HCV), AS WELL AS FOR HEPATITIS B SURFACE ANTIGEN AND FOUND TO BE NEGATIVE (WERE NOT REPEATEDLY REACTIVE).

BECAUSE NO TEST METHOD CAN OFFER COMPLETE ASSURANCE THAT HUMAN IMMUNODEFICIENCY VIRUS (HIV), HEPATITIS C VIRUS (HCV), HEPATITIS B VIRUS, OR OTHER INFECTIOUS AGENTS ARE ABSENT, THIS SPECIMEN/REAGENT SHOULD BE HANDLED AT THE BIOSAFETY LEVEL 2 AS RECOMMENDED FOR ANY POTENTIALLY INFECTIOUS HUMAN SERUM OR BLOOD SPECIMEN IN THE CENTERS FOR DISEASE CONTROL/NATIONAL INSTITUTES OF HEALTH MANUAL "BIOSAFETY IN MICROBIOLOGICAL LABORATORIES", 1988.

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**SECTION II - HAZARDOUS COMPONENTS / CHEMICAL NAME**

<u>Component</u>	<u>%</u>	<u>CAS Number</u>
Treated Human Erythrocytes	45	None

**SECTION III - PHYSICAL DATA**

Boiling Point :	N/A	Vapor Pressure (mm Hg) :	N/A
Melting Point :	N/A	Vapor Density (Air = 1) :	N/A
Specific Gravity : (H <sub>2</sub> O = 1)	1.045	Evaporation Rate : (Butyl Acetate = 1)	N/A
Solubility (H <sub>2</sub> O):	N/A	%Volatiles by Volume :	N/A
Flashpoint :	N/A		
Appearance and Color :	Dark red suspension		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<u>Fire Extinguishing Media :</u>	Any
<u>Special Fire Fighting Procedures :</u>	None
<u>Unusual Fire and Explosion Hazards :</u>	None
<u>Toxic Gases Produced :</u>	None

**SECTION V - HEALTH HAZARD DATA**

induce vomiting. Seek immediate medical attention.

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**SECTION VI - REACTIVITY DATA**

Stability : Very stable  
Conditions to Avoid : None  
Incompatibility : N/A  
Hazardous Polymerization : N/A  
Decomposition Products : None

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**SECTION VII - SPILL AND DISPOSAL PROCEDURES**

Steps to be taken in case of a spill or discharge : Neutralize the spill by treatment with a strong solution of sodium hypochlorite (bleach). The volume of bleach added should be not less than 10% of the spill volume. Allow ten (10) minutes for complete neutralization. Absorb spill using disposable towels or absorbant material from commercial, chemical spill kits. Contain absorbant waste in Biohazard bags.

Disposal Procedure : Method of waste disposal must comply with Federal, State and Local requirements.

EPA Hazardous Waste Number : None

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**SECTION VIII - PROTECTIVE EQUIPMENT**

Ventilation : None required

Respiratory Protection : None required

Eye/Skin Protection : Laboratory coat, safety glasses and protective gloves should be worn during routine use or spill clean-up. Splash goggles should also be worn during the spill clean-up process.

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**SECTION IX - STORAGE AND HANDLING PRECAUTIONS**

Storage/ Coding : Refrigerated temperature storage.

Special Precautions : Absorb any spray produced while removing stopper by covering stopper with absorbant material (gauze or paper wipe). Store product at 2° - 8°C; DO NOT FREEZE. Mix by HAND only. DO NOT use a mechanical mixer. Warm to room temperature before each use, return to 2° - 8°C within thirty (30) minutes.

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## Section 02 - PHYSICAL AND HEALTH HAZARD INGREDIENTS

PEL - Permissible exposure limit for a chemical in the air as established by The Occupational Safety & Health Administration (OSHA).

TLV - Threshold limit value for a chemical in the air as established by The American Conference of Government Industrial Hygienists.

(PEL)TLV:TWA - The time-weighted average exposure for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed without adverse effect.

TLV:STEL - The short term exposure limit is a 15-minute time weighted average exposure which should not be exceeded at any time during a workday, even if the 8-hour TWA is within the TLV.

TLV:C - The ceiling concentration that should not be exceeded even instantaneously.

PEL: A ACCEPTABLE CEILING CONCENTRATION - The concentration not to be exceeded during an 8-hour shift, except for a given time period, and not exceeding the concentration given as the acceptable maximum peak.

CARCINOGENIC REFERENCES - Will indicate whether the ingredient has been found to be a (potential) carcinogen by 1.) IARC (International Agency for Research on Cancer), 2.) NTP (National Toxicology Program) or 3.) OSHA (Occupational Safety & Health Administration).

## Section 03 - PHYSICAL HAZARD DATA

FLASH POINT - Designated by method. CC - Closed Cup - OC - Open Cup

## Section 04 - FIRE AND EXPLOSION DATA

NFPA HAZARD CODES - The National Fire Protection Association's Hazard Identification System intended to indicate inherent hazards of a chemical under emergency conditions such as fire. The degree of each of three hazards (Health/Flammability/Reactivity) is rated by a numerical designation ranging from low to high of 0 to 4.

HMIS HAZARD CODES - The National Paint & Coatings Association's Hazard Materials Identification System intended to estimate the inherent hazards of a chemical under normal workplace situations. The degree of each of three hazards (Health/Flammability/Reactivity) is rated by a numerical designation ranging from low to high of 0 to 4.

## Section 05 - HEALTH HAZARD DATA

ACUTE: LD50/LC50 - The Lethal Dose/Concentration required to kill 50% of a population of test animals by the route of administration indicated.

## Section 07 - HEALTH HAZARD DATA

RCRA - Resource Conservation and Recovery Act.

ENVIRONMENTAL EMERGENCY (National Response Center) - Provides twenty-four (24) hour advice on hazardous chemical spills and can provide your local Poison Control Center telephone number.

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The information published in the Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the usability and suitability of this information for its use and the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.