

Safety Data Sheet



Orcein Counterstain

SDS #: SDS-10054

Rev. Number: 2 Rev. Date: Jul 14, 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: Orcein Counterstain	Product Code 71-01-01 71-01-00
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Hazardous Reagent
None

Hazardous Reagent Product code
None

Recommended Use: Reagent

Contact Manufacturer: KPL Inc., A SeraCare Company
910 Clopper Road
Gaithersburg, Maryland 20878
USA

Phone #: 1-301-591-8200
US Toll Free: (800) 676-1881

Fax #: 1-301-948-0169

Web: www.kpl.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 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.

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Hazard statements	Non-regulated product
Precautionary statements	Non-regulated product
Principle Route of Exposure:	Not Applicable
Acute Effects: Eye	Not Applicable
Acute Effects: Skin:	Not Applicable
Acute Effects: Inhalation:	Not Applicable
Acute Effects: Ingestion:	Not Applicable
Chronic Effects:	Not Applicable
Additional Information:	Not Applicable

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

GHS Classification Not Applicable:

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)

In accordance Regulation (EC) No 1272/2008, this product is not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>	<u>Classification according to EC No. 1272/2008 and GHS - US</u>
Orcein Counterstain	Orcein	0.2 gm%	1400-62-0	N/A
	Acetic Acid	4.1%	64-19-7	EINECS: 200-580-7
				Index number: 607-002-00-6 RTECS: AF 1225000
	Citric Acid	0.95 gm%	5949-29-1	N/A
	Water	~95%	N/A	N/A

4. FIRST AID MEASURES

General Advice:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Oral Exposure:	If swallowed and symptoms occur, consult a doctor.
Inhalation Exposure:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
Skin Exposure:	Generally the product does not impact the skin.
Eye Exposure:	Rinse with copious amounts of water for several minutes.

5. FIRE FIGHTING MEASURES

Extinguishing media:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unusual Fire and Explosive Hazards:	Not Available
Flash Point:	Not Available

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Auto ignition Temperature: Not Available**Flammability Statement:** Not Available**Specific hazards arising from the chemical:** Not Available**Protective equipment and precautions for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing.**Environmental Precautions:** Do not allow to enter sewers / surface or ground water.**Method of Containment:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated materials as waste according to section 13. Ensure adequate ventilation. Dispose of the material collected according to regulations.**Methods of Clean-up:** See Method of Containment above.**Other Information:** Not Available

7. HANDLING AND STORAGE

Handling: None required. Ensure good ventilation / exhaustion at the workspace. Prevent the formation of aerosols.**Storage:** Store at room temperature. Separate from strong oxidants.

8. EXPOSURE CONTROL

Respiratory Protection: None required. Ensure good ventilation / exhaustion at the workspace. Prevent the formation of aerosols.**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: Dark red liquid**Physical State:** Liquid**Odor:** Odorless**Odor Threshold:** Not Determined**pH:** Not Available**Boiling Point:** 100 °C**Evaporation Rate:** Not Available**Vapor Density:** Not Available**Vapor Pressure:** 23 hPa (17mm Hg)**Relative Density:** Not Available**Auto-Ignition Temperature:** Product is not self-igniting**Water Solubility:** Dilutable**Flammability:** Not Available

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Flash Point:	Not Available
Viscosity:	Not Available
Oxidizing Properties:	Not Available
Explosive Properties:	Not Available
Additional Parameters:	See Datasheet/Product Insert for other Product Information.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to avoid:	Not Available
Incompatibility Materials to Avoid:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known.
Hazardous Polymerization:	Will not occur
Possibility of hazardous reactions:	No dangerous reactions known

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.

64-19-7 Acetic Acid

LD50 Oral:	3310 mg/kg (rat)
LD50 Dermal:	1112 mg/kg (rabbit)

Inhalation

LC50 / 4 h:	11.4 mg/L (rat)
LC50 / 96 h	>1000 mg/L (Trout)

Chronic Toxicity

Carcinogenicity:	Not Available
Irritation:	Not Available
Corrosivity:	Not Available
Sensitization:	Not Available
Neurological Effects:	Not Available
Mutagenic Effects:	Not Available
Reproductive Effects:	Not Available
Developmental Effects:	Not Available
Target Organ Effects:	Not Available
Other adverse effects:	Not Available

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12. ECOLOGICAL MEASURES

Ecotoxicity:	Not Available
Persistence/Degradability:	Not Available
Mobility in Environmental Media:	Not Available
Bioaccumulation/Accumulation:	Not Available

13. DISPOSAL MEASURES

Waste Disposal Method:	Smaller amounts can be disposed of with household waste. Observe all Federal, State and Local environmental regulations.
Contaminated Packaging:	Smaller amounts can be disposed of with household waste. Observe all Federal, State and Local environmental regulations.
US EPA Waste Number:	Not Available

14. TRANSPORTATION MEASURES

DOT:	Not Regulated
IATA:	Not Regulated
ADR (road)/ RID (rail):	Not Regulated
IMDG (sea):	Not Regulated
General Transport Regulations	Not Regulated

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 Acetic Acid

Massachusetts: Not Listed

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New Jersey:	Listed
Pennsylvania:	Listed
New York:	Not Listed
Rhode Island:	Not Listed

International Inventories

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

EU Regulations

Annex I Index#:	None of the ingredients are listed.
Classification:	Not Applicable: 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
Risk Phrases	Not Applicable
Safety Phrases	Not Applicable
Symbols and Indications of Danger:	Not Applicable
Specific Concentration Limits:	Not Applicable
Export and Import	This substance is not listed in the Annex I of Regulation (EC) No 649/2012.
European Priority List	This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

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.