

Safety Data Sheet



Orcein Counterstain

SDS #: SDS-10054

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

1. PRODUCT AND COMPANY IDENTIFICATION

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|--|---|
| Product Description: Orcein Counterstain | Product Code 71-01-01 71-01-00 |
|--|---|

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.

SDS-10054

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

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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

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| 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

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| 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 |

SDS-10054

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

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

SDS-10054

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

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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

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| 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

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

Inhalation

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

Chronic Toxicity

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| 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 |

SDS-10054

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

12. ECOLOGICAL MEASURES

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

13. DISPOSAL MEASURES

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| 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

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|--------------------------------------|---------------|
| 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

SDS-10054

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

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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

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|---|--|
| 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.