

# SAFETY DATA SHEET (SDS)


## Aceto-orcein

Issue date: 14-08-2020

### Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Aceto-orcein
Product Codes:	SI1
Other means of identification:	
Chemical formula, alternative names:	C <sub>28</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub> Orcein, acetic acid solution
Recommended use of the chemical and restrictions on use	
Recommended Use:	For laboratory use only.
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	1/44 Rushdale Street Knoxfield Victoria 3180 Australia
Suppliers Phone No.:	1300 138 561
Suppliers Fax No.:	+613 9753 3896
Emergency Phone number (BH)	1300 138 561

### Section 2: Hazard Identification

Classification of the Hazardous Chemical	
Hazard Category	Skin Corrosion/Irritation Category 1A, Serious Eye Damage/Eye Irritation Category 1, Flammable Liquid Category 3
Label elements	
Hazard Pictograms:	
Signal Word:	Danger
Hazard Statements:	Flammable liquid and vapour Causes severe skin burns and eye damage
Precautionary Statements:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest. Protect against inhalation of vapour or splashes of liquid to skin or eyes.

Other Hazards	
Results of PBT and vPvB assessment:	PBT: Not applicable VPvB: Not applicable

### Section 3: Composition/information on ingredients

Ingredients			
Name	CAS	Proportion	Hazard Class
Acetic acid	64-19-7	30-60%	Skin Corrosion/Irritation Category 1A, Serious Eye Damage/Eye Irritation Category 1, Flammable Liquid Category 3
Ingredients determined not to be hazardous		Balance	None

### Section 4: First Aid Measures

General Information	
After Inhalation:	Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention immediately.
After skin contact:	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
After eye contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
After swallowing:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. If swallowed, rinse mouth with water (only if person is conscious). If affected person is conscious, give plenty of water to drink.
Information for doctor:	
Most important symptoms and effects both acute and delayed:	Treat symptomatically.
Indications of any immediate medical attention and special treatment needed	No further relevant information available.

### Section 5: Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	In case of fire use water fog, alcohol resistant foam, dry chemical or carbon dioxide.
Special hazards arising for the substance or mixture:	Do not use water jet.
Advice for firefighters	
Protective equipment:	Do not enter the fire area without proper protective equipment

including respiratory equipment.  
Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

## Section 6: Accidental release measures

General Information	
Personal precautions, protective equipment and emergency procedures:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator If ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental precautions:	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters. Stop leak if without risk. Move containers away from spill area. Absorb with inert material and place in an appropriate waste disposal container. Use spark proof tools and explosion proof equipment. Dispose of via a licensed waste disposal contractor.
Methods and material for containment and cleaning up:	Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on protective equipment. See Section 13 for disposal information.

## Section 7: Handling and Storage

General Information	
Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Do not eat drink or smoke when using this product. Wash contaminated clothing before reuse. Do not get into eyes, on skin or clothing.
Information about fire – and explosion protection:	Keep away from heat, sparks and flame. To avoid combustion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilation, lighting and material handling) equipment. Empty containers may contain toxic flammable/combustible or explosive residue and/or vapours. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.
Conditions for safe storage, including any incompatibilities.	
Storage:	Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers. Avoid all possible sources of ignition
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Store in segregated and approved area
Further information about storage conditions:	Keep container tightly sealed. Keep out of direct sunlight.

Specific end use(s):	No further relevant information available.
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## Section 8: Exposure controls/personal protection.

General information			
Additional information about design of technical facilities:		No further data: see section 7	
Control parameters:			
Ingredients with limit values that require monitoring at the workplace:			
Name	STEL	TWA	Footnote
	mg/m <sup>3</sup> ppm	mg/m <sup>3</sup> ppm	
Acetic acid	37 15	25 10	
Additional information		The lists valid during the making were used as basis.	
Exposure Controls:			
General protective and hygienic measures:		<p>Ensure adequate ventilation to keep airborne concentrations below exposure limits. Local exhaust ventilation may be required.</p> <p>Keep away from foodstuffs.</p> <p>Immediately remove all soiled and contaminated clothing</p> <p>Wash hands before breaks and at the end of work.</p> <p>Avoid contact with eyes.</p>	
Respiratory protection:		<p>If ventilation is inadequate, use a respirator that will protect against organic vapour and dust/mist. Provided an air -filtering / air -purifying is suitable, a combination filter for particles. Organic vapours (boiling point &lt; 65°C ) can be used. Use filter type AP or comparable standard. Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn. Air-filtering respirators also called air-purifying respirators, will not be adequate under conditions on oxygen deficiency (i.e. low oxygen concentration), and would not be considered suitable where airborne concentrations of chemicals with a significant hazard are present. In these cases, air-supplied breathing apparatus will be required. If the concentration is unknown, a Self-Contained Breathing Apparatus (SCBA) should be used to avoid inhalation of the product.</p>	
Clothing / Foot-wear and equipment		No special requirements.	
Protection of hands:		PVC or rubber gloves	
Eye protection:		Tightly sealed goggles	
Skin protection:		Laboratory Coat	

## Section 9: Physical and chemical properties

Appearance:	
Form:	Liquid
Colour:	Dark red
Odour:	Pungent

Odour Threshold:	Not determined
pH value:	Not determined
<b>Change in Condition:</b>	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid / gaseous)	Combustible liquid and vapour.
<b>Ignition Temperature</b>	
Decomposition temperature:	Not determined
Self-igniting:	Not determined
Danger of explosion:	The material is not explosive as defined as established regulatory criteria.
<b>Explosion limits</b>	
Lower:	Not determined
Upper:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
<b>General Info</b>	
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in/ Miscibility with water:	Soluble
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	Not determined
Other information:	Not determined

## Section 10: Stability and reactivity

<b>Reactivity</b>	
General	No further relevant information available.
<b>Chemical Stability</b>	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known

## Section 11: Toxicological information

Information on toxicological effects	
General	Acute toxicity
Primary irritant effect:	
Inhalation:	Not classified
Skin contact:	Corrosive to skin and mucous membranes
Eye exposure:	Corrosive to eyes
Ingestion:	Not classified
Chronic Toxicity:	
General	Not classified

## Section 12. Ecological information

Toxicity	
Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.
Behaviour in environmental systems	
Bio-accumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Additional ecological information	
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
Other adverse effects:	No further relevant information available.

## Section 13. Ecological information

Waste treatment methods	
Recommendation	Prevent this material from entering waterways, drains and sewers. Comply with official regulations.
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.
Recommended cleansing agents:	Water, if necessary, together with cleansing agents.

## Section 14. Transport information

General	UN-Number: 2790
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UN proper shipping name: ACETIC ACID SOLUTION  
Class: 8  
Packing Group: II  
Environmental Hazards: Not applicable  
Special precautions for user: Not applicable

## Section 15. Regulatory Information

Safety health and environmental regulations/legislation specific for the substance or mixture

Australian Inventory of Chemical Substances:	Substances are listed.
Standard for the Uniform Scheduling of Medicines and Poisons	S6
GHS label elements	None
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

## Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.