

# SAFETY DATA SHEET

## Orcein

### 1. IDENTIFICATION

**Product Identifiers**

**Product Name:** Orcein  
**Other Names:** Orcein Synthetic  
**Product No.(s):** C133; C1331; C1332; C1335.  
**CAS No.:** 1400-62-0

**Recommended use of the chemical and restriction on use:**

Biological stain for laboratory purposes.

**Company Details:**

ProSciTech Pty Ltd  
11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Email:** pst@proscitech.com  
**Website:** www.proscitech.com

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

The substance is not classified.

**Label Elements:**

No symbol

**Signal Word:** No signal word

**Hazard Statement(s):** Not available.

**Precautionary Statement(s):** Not available.

**Primary route(s) of entry:**

Purple - dark brown-black crystalline powder. **CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

**Human Health**

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.

**Environment:** No information available.

**Other Hazards:** Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Cas No.	Content	Classification
Orcein	1400-62-0	95%	The substance is not classified.

#### 4. FIRST AID MEASURES

**Ingestion**

If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. Do NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

**Inhalation:**

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Skin Contact:**

In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Other Information:**

Treat symptomatically and supportively.

#### 5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

**ALL FIRE:**

In case of fire use water spray to cool fire expose containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use agent most appropriate to extinguish fire.

**HAZCHEM:** Not available.

**Special protective equipment and precautions for fire fighters:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Other Information:**

Hazardous Decomposition Products - Nitrogen oxides, carbon monoxide, carbon dioxide.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Use proper personal protective equipment as indicated in Section 8.

**Environmental precautions:**

Provide ventilation.

**Methods and materials for containment and clean up:**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapour, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Conditions for safe storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards

Material	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Orcein	-	-	-	-

### Engineering controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

### Personal protective equipment:

#### Eye and face protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin protection:

Wear appropriate protective gloves to prevent skin exposure.

#### Body Protection:

Wear appropriate protective clothing to prevent skin exposure.

#### Respiratory protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

<b>Appearance:</b>	Crystalline powder, Purple - dark brown-black.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point:</b>	Not available.
<b>Melting point:</b>	Not available.
<b>Solubility:</b>	Insoluble.
<b>Specific gravity or density:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Formula:</b>	$C_{28}H_{24}N_2O_7$
<b>Molecular Mass:</b>	500.51

## 10. STABILITY AND REACTIVITY

### Reactivity:

#### Chemical stability:

Stable under normal conditions of use.

#### Possibility of hazardous reactions:

Hazardous Decomposition Products - Nitrogen oxides, carbon monoxide, carbon dioxide.

#### Conditions to avoid:

Incompatible materials, oxidizers.

#### Incompatible materials:

Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute effects:

#### Eye contact:

May cause eye irritation.

#### Skin contact:

May cause skin irritation. May be harmful if absorbed through the skin.

#### Ingestion

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

#### Inhalation

May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

#### Chronic effects

Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.

#### Toxicity and irritation

Not available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

No data available.

## 13. DISPOSAL CONSIDERATIONS

### General information:

Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**ADG label required:** Not regulated.

**HAZCHEM:** Not available

<b>UN number:</b>	Not regulated.
<b>Proper shipping name:</b>	Not regulated.
<b>Transport hazard class:</b>	Not regulated.
<b>Packing group:</b>	Not regulated.
<b>Environmental hazard:</b>	Not regulated.
<b>Special precautions for users:</b>	Not available.
<b>Additional information:</b>	Not available.

## 15. REGULATORY INFORMATION

**Poisons Schedule Number:** No data available to allocate a Poison Schedule Number.

## 16. OTHER INFORMATION

**SDS preparation date:** 22 March 2013

### Comments:

List of Publications referenced when creating this SDS;

- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

*This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use. ... End of SDS ...*