

SAFETY DATA SHEET

Phenol Red, free acid, ACS

1. IDENTIFICATION

Product Identifiers

Product Name: Phenol Red, free acid, ACS

Other Names: Phenol red; phenolsulfonphthalein; 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis-phenol, S,S-dioxide.

Product No.(s): C115; C1151; C1155.

CAS No.: 143-74-8

Recommended use of the chemical and restriction on use:

Used in laboratories as a staining dye.

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

Label Elements:



Health Hazards

Signal Word: Warning

Hazard Statement(s):

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation

Precautionary Statement(s):

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271: Use only outdoors or in a well ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear face protection. Specify type of equipment.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see ... on this label)

P363: Wash contaminated clothing before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Primary route(s) of entry:

Inhalation, ingestion, skin and eye contact.

Human Health

Inhalation: May cause irritation to respiratory tract resulting in coughing and sneezing.

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

Eyes: Dust may cause mechanical irritation.

Skin: May cause skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Cas No.	Content	Classification
Phenol Red, free acid, ACS	143-74-8	100%	-

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

Skin Contact:

Immediately 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. Call a physician if irritation persists.

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

ALL FIRES:

In case of fire use water spray to cool fire expose containers. Use water spray, Carbon Dioxide, dry chemical powder, or appropriate foam.

HAZCHEM: 3R

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.

Other Information:

Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

Environmental precautions:

Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Methods and materials for containment and clean up:

Gently sweep up the spill into a sealable container, avoid generating dust (use a wet brush or cloth). Store until the product can be safely disposed of.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Minimize dust generation and accumulation.

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
Phenol Red Free Acid	-	-	-	-

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 regulation in 29 CFR 1910.133 or European Standard EN 166.

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 29 CFR 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

Appearance:	Bright red to a dark red powder.
Odour:	Odourless.
pH:	No information found.
Vapour pressure:	No information found.
Vapour density:	No information found.
Boiling point:	No information found.
Melting point:	No information found.
Solubility:	Slightly soluble in water.
Specific gravity or density:	No information found.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Molecular Weight:	354.38
Chemical Formula:	C ₁₉ H ₁₄ O ₅ S
% Volatiles by volume:	At 21°C = 0

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under normal conditions of use.

Possibility of hazardous reactions:

Burning may produce carbon monoxide, carbon dioxide and sulphur oxides.

Conditions to avoid:

Contact with Incompatible Materials, heat and flame.

Incompatible materials:

Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Eye contact:

Dust may cause mechanical irritation.

Skin contact:

May cause skin irritation.

Ingestion

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

Inhalation

May cause irritation to respiratory tract resulting in coughing and sneezing.

Toxicity and irritation

No information found.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No information found.

Persistence and degradability:

No information found.

Bioaccumulative potential:

No information found.

13. DISPOSAL CONSIDERATIONS**General information:**

Dispose of in accordance with state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION**ADG label required:** None Required – not Dangerous Goods**HAZCHEM:** 3R

UN number:	Not Regulated.
Proper shipping name:	Not Regulated.
Transport hazard class:	Not Regulated.
Packing group:	Not Regulated.
Environmental hazard:	Not Regulated.
Special precautions for users:	No information found.

15. REGULATORY INFORMATION**Poisons Schedule Number:** No data available to allocate a Poison Schedule Number.**16. OTHER INFORMATION****SDS preparation date:** 18 December 2012**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 ...