MATERIAL SAFETY DATA SHEET
Ninhydrin

STATEMENT OF HAZARDOUS NATURE
Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS
Company: ProSciTech
Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld, 4817. Australia
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IDENTIFICATION SECTION
Product Name: Ninhydrin
Other Names: Triketohydrindene hydrate
Product Code: C130
U.N. Number: None allocated
Dangerous Goods Class: None allocated
and Subsidiary Risk: None allocated
Hazchem Code: None allocated
Poison Schedule: None allocated
Use: Colour reagent

Physical Description and Properties
Appearance: White to pale yellow powder or crystals (red when heated)
Boiling Point/Melting Point: MP 241°C
Vapour Pressure: No data
Specific Gravity: No data
Flash Point: No data
Flammability Limits: No data
Solubility in water: >10%

Other Properties

Ingredients
Chemical Name: C₆H₄COCOCO H₂O
CAS Number: 00485-47-2
Proportion: 90-100%
HEALTH HAZARD INFORMATION

Health Effects:

Acute
Swallowed: May cause gastrointestinal irritation.
Eye: May cause irritation.
Skin: May cause irritation.
Inhaled: Material is irritating to mucous membranes and upper respiratory tract.

Chronic:

First Aid:
Swallowed: Wash out mouth with water provided person is conscious. Call a physician.
Eye: Immediately flush eyes with copious amounts of water for at least 15 minutes.
Skin: Immediately wash skin with copious amounts of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
Inhaled: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
First Aid Facilities: Eye bath, safety shower

Advice to Doctor

PRECAUTIONS FOR USE

Exposure Standards: None established.
Engineering Controls: Use adequate general or local exhaust ventilation.
Personal Protection: Wear safety goggles with side shields, uniform and rubber gloves.
Flammability: Not flammable under conditions of use

SAFE HANDLING INFORMATION

Storage and Transport: Keep container tightly closed. Suitable for any general chemical storage area.
Spills and Disposal: Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water. Dispose in accordance to all local, state and federal disposal procedures. Material may be mixed with combustible solvent and burnt in a chemical incinerator equipped with a n afterburner and scrubber.
Fire/Explosion Hazard: Use extinguishing media appropriate for surrounding fire. Firefighters should wear proper protective clothing and self-contained breathing apparatus operated in positive pressure mode. Toxic gases produced : Carbon Monoxide, Carbon Dioxide.

OTHER INFORMATION

Incompatibilities
(Materials to avoid) Strong oxidising agents. May discolour on exposure to light.
Animal Toxicity Data: LD50 (IPR-Mouse) 78mg/kg.

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