

Material Safety Data Sheet

Sinoright Internationl Trade Co.,LTD

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Section 1 - Chemical Product

MSDS Name:1 4-Dihydroxyanthraquinone 96%

Synonym:C.I. 58050; Quinizarin; 1,4-Dihydroxy-9,10-anthracenedion

➔ Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
81-64-1	1,4-Dihydroxyanthraquinone	99	201-368-7

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

➔ Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Not available.

➔ Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

➔ **Section 5 - FIRE FIGHTING MEASURES**

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use water fog, dry chemical, carbon dioxide, or regular foam.

➔ **Section 6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

➔ **Section 7 - HANDLING and STORAGE**

Handling:

Wash thoroughly after handling. Use only in a well-ventilated area.

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

➔ **Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 81-64-1: Personal Protective Equipment Eyes: 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:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

➤ Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: orange

Odor: None reported.

pH: Not available.

Vapor Pressure: 1 mmHg @ 197 C

Viscosity: Not available.

Boiling Point: 450 deg C @ 760.00mm Hg

Freezing/Melting Point: 191.00 - 193.00 deg C

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: Soluble in hot water.

Specific Gravity/Density:

Molecular Formula: C₁₄H₈O₄

Molecular Weight: 240.21

➤ Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

➤ **Section 11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 81-64-1: CB6600000 LD50/LC50:

CAS# 81-64-1: Draize test, rabbit, eye: 500 mg/24H Mild; Oral, rat: LD50 = >5 gm/kg; Oral, rat: LD50 = 10 gm/kg.

Carcinogenicity:

1,4-Dihydroxyanthraquinone - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

➤ **Section 12 - ECOLOGICAL INFORMATION**

➤ **Section 13 - DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

➤ **Section 14 - TRANSPORT INFORMATION**

IATA

Not regulated as a hazardous material.

IMO

IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION

RID/ADR

Not regulated as a hazardous material.

➤ Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 81-64-1: 0

Canada

CAS# 81-64-1 is listed on Canadas DSL List.

CAS# 81-64-1 is listed on Canadas Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 81-64-1 is listed on the TSCA inventory.

Section 16 - OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used

only as a guide. The information in this document is based on the present state of our knowledge and is

applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product.