

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Uroporphyrin I dihydrochloride

Product Number : U3128  
Brand : Aldrich

Company : Sigma-Aldrich Canada, Ltd  
2149 Winston Park Drive  
OAKVILLE ON L6H 6J8  
CANADA

Telephone : +1 9058299500  
Fax : +1 9058299292  
Emergency Phone # : 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula :  $C_{40}H_{38}N_4O_{16} \cdot 2HCl$   
Molecular Weight : 903.67 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
<b>Uroporphyrin I dihydrochloride</b>			
68929-06-6	273-038-0	-	-

## 3. HAZARDS IDENTIFICATION

**WHMIS Classification**  
Not WHMIS controlled. Not WHMIS controlled.

**HMIS Classification**  
Health Hazard: 0  
Flammability: 0  
Physical hazards: 0

## Potential Health Effects

Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.  
Skin : May be harmful if absorbed through skin. May cause skin irritation.  
Eyes : May cause eye irritation.  
Ingestion : May be harmful if swallowed.

## 4. FIRST AID MEASURES

If inhaled  
If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact  
Wash off with soap and plenty of water.

Aldrich - U3128

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 1 of 4

In case of eye contact  
Flush eyes with water as a precaution.

If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

**Flammable properties**  
Flash point : no data available  
Ignition temperature : no data available

**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**  
Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**  
Avoid dust formation.

**Environmental precautions**  
Do not let product enter drains.

**Methods for cleaning up**  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Handling**  
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**  
Keep container tightly closed in a dry and well-ventilated place.

**Recommended storage temperature: -20 °C**

Light sensitive. Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

## Personal protective equipment

**Respiratory protection**  
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**  
For prolonged or repeated contact use protective gloves.

**Eye protection**  
Safety glasses

**Hygiene measures**  
General industrial hygiene practice.

Aldrich - U3128

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 2 of 4

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Appearance

Form : powder  
Colour : purple

## Safety data

pH : no data available  
Melting point : no data available  
Boiling point : no data available  
Flash point : no data available  
Ignition temperature : no data available  
Lower explosion limit : no data available  
Upper explosion limit : no data available  
Water solubility : no data available

## 10. STABILITY AND REACTIVITY

**Storage stability**  
Stable under recommended storage conditions.

**Materials to avoid**  
Strong oxidizing agents

**Hazardous decomposition products**  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

## 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

no data available

## Irritation and corrosion

no data available

## Sensitisation

no data available

## Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## Potential Health Effects

Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.  
Skin : May be harmful if absorbed through skin. May cause skin irritation.  
Eyes : May cause eye irritation.  
Ingestion : May be harmful if swallowed.

## 12. ECOLOGICAL INFORMATION

## Elimination information (persistence and degradability)

Aldrich - U3128

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 3 of 4

no data available

## Ecotoxicity effects

no data available

## Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

## Product

Observe all federal, state, and local environmental regulations.

## Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

## DOT (US)

Not dangerous goods

## IMDG

Not dangerous goods

## IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

## TSCA Status

On TSCA Inventory

## DSL Status

This product contains the following components listed on the Canadian DSL list. All other components are on the Canadian DSL list.

Uroporphyrin I dihydrochloride

CAS-No.  
68929-06-6

## WHMIS Classification

Not WHMIS controlled.

Not WHMIS controlled.

## 16. OTHER INFORMATION

## Further information

Copyright 2008 Sigma-Aldrich Co. License granted to make unprinted paper copies for internal use only. 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. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Aldrich - U3128

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 4 of 4