MATERIAL SAFETY DATA SHEET

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SARA 313

COPROPORPHYRIN I DIHYDROCHLORIDE, Product Name 258784

Section 1 - Product and Company Information

Product Number Brand ALDRICH Sigma-Aldrich Canada, Ltd Company

Address 2149 Winston Park Drive Oakville ON L6H 6J8 CA 9058299500

Technical Phone: 9058299292 Fax: 800-424-9300 Emergency Phone:

Section 2 - Composition/Information on Ingredient

Substance Name COPROPORPHYRIN I DIHYDROCHLORIDE 69477-27-6

C36H38N4O8*2HCl Formula 3,8,13,18-tetramethyl-21H,23H-porphine-2,7,12,17-t Synonyms

etrapropionic acid dihydrochloride

Section 3 - Hazards Identification

HMIS RATING

REACTIVITY: 1 NFPA RATING HEALTH: 0 FLAMMABILITY: 0

FLAMMABILITY: 0

HEALTH: 0

REACTIVITY: 1 For additional information on toxicity, please refer to Section 11. Section 4 - First Aid Measures

ORAL EXPOSURE If swallowed, wash out mouth with water provided person is

INHALATION EXPOSURE

conscious. Call a physician.

If inhaled, remove to fresh air. If breathing becomes difficult,

call a physician. DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious

EYE EXPOSURE

amounts of water.

water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In case of contact with eyes, flush with copious amounts of

N/A AUTOIGNITION TEMP

FLAMMABILITY

Section 5 - Fire Fighting Measures

N/A

FLASH POINT

FIREFIGHTING Protective Equipment: Wear self-contained breathing apparatus

EXTINGUISHING MEDIA

appropriate foam.

METHODS FOR CLEANING UP

PROCEDURE(S) OF PERSONAL PRECAUTION(S) Exercise appropriate precautions to minimize direct contact with

Sweep up, place in a bag and hold for waste disposal. Avoid

Suitable: Water spray. Carbon dioxide, dry chemical powder, or

and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

raising dust. Ventilate area and wash spill site after material pickup is complete.

skin or eyes and prevent inhalation of dust.

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin,

and clothing. Avoid prolonged or repeated exposure.

SPECIAL REQUIREMENTS Light sensitive.

PERSONAL PROTECTIVE EQUIPMENT

Hand: Protective gloves.

Eye: Chemical safety goggles.

Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

Appearance

BP/BP Range

MP/MP Range

Bulk Density Odor Threshold

Water Content

Solvent Content

Surface Tension

ALDRICH - 258784

SIGNS AND SYMPTOMS OF EXPOSURE

Section 12 - Ecological Information

environmental regulations.

Proper Shipping Name: None

Evaporation Rate

Volatile% VOC Content

Viscosity

Molecular Weight

Freezing Point

Property

ENGINEERING CONTROLS Safety shower and eye bath. Mechanical exhaust required.

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection

from nuisance levels of dusts are desired, use type N95 (US) or type Pl (EN 143) dust masks.

GENERAL HYGIENE MEASURES

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> Physical State: Solid Color: Light - purple

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At Temperature or Pressure

Vapor Pressure Vapor Density N/A Saturated Vapor Conc. N/A SG/Density

> N/A N/A

N/A

N/A

N/A

N/A

Value

N/A

N/A

N/A N/A

727.65 AMU

Partition Coefficient N/A Decomposition Temp. N/A Flash Point Explosion Limits N/A Flammability N/A Autoignition Temp Refractive Index N/A Optical Rotation N/A Miscellaneous Data N/A N/A Solubility N/A - not available Section 10 - Stability and Reactivity STABILITY Stable: Stable. Materials to Avoid: Strong oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur Section 11 - Toxicological Information ROUTE OF EXPOSURE Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Inhalation: Material may be irritating to mucous membranes and

To the best of our knowledge, the chemical, physical, and

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

toxicological properties have not been thoroughly investigated.

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upper respiratory tract. May be harmful if inhaled.

No data available. Section 13 - Disposal Considerations

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 14 - Transport Information DOT

solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible

Non-Hazardous for Air Transport: Non-hazardous for air transport. Section 15 - Regulatory Information

CANADA REGULATORY INFORMATION WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: No NDSL: No Section 16 - Other Information

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