

Material Safety Data Sheet

Date Printed: 07/21/2005 Date Updated: 03/09/2004 Version 1,20

Section 1 - Product and Company Information

Product Name

3,3'-Dioctadecyloxacarbocyanine perchlorate D4292

Product Number Brand

Sigma Chemical

Company

Sigma-Aldrich

Street Address

3050 Spruce Street

City, State, Zip, Country

SAINT LOUIS, MO 63103 US

Technical Phone:

314 771 5765 800 325 5052 **Emergency Phone:**

414 273 3850 Ext. 5996

Section 2 - Composition/Information on Ingredient

Substance Name

CAS#

SARA 313

EC no Annex I Index Number

3,3'-DIOCTADECYLOXACARBOCYANINE

PERCHLORATE

34215-57-1

No

Formula Synonyms

C53H85CLN2O6

Section 3 - Hazards Identification

Emergency Overview

Irritant.

Irritating to eyes, respiratory system and skin.

HMIS Rating

Health: 2

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 2 Flammability: 0

Reactivity: 0

For additional Information on toxicity, please refer to Section 11,

Section 4 - First Ald Measures

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician,

Inhalation Exposure

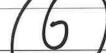
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen,

Dermal Exposure

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

Eye Exposure

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.



Section 5 - Fire Fighting Measures

Autoignition Temp.

Extinguishing Media

Suitable

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting

Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes,

Specific Hazard(s)

Emits toxic furnes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up

Sweep up, place in a bag and hold for waste disposal, Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling

User Exposure

Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Sultable

Keep tightly closed. Store at 2-8°C

Section 8 - Exposure Controls / PPE

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory

Government approved respirator.

Hand

Compatible chemical-resistant gloves

Eye

Chemical safety goggles.

General Hygiene Measures

Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance

Physical State

Form

Solid

Powder

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Molecular Weight: 881.7 AMU N/A BP/BP Range N/A MP/MP Range N/A Freezing Point N/A Vapor Pressure N/A Vapor Density N/A Saturated Vapor Conc. N/A SG/Density N/A **Bulk Density** N/A Odor Threshold N/A Volatile% N/A **VOC Content** N/A Water Content N/A Solvent Content N/A **Evaporation Rate** N/A Viscosity N/A **Partition Coefficient** N/A Decomposition Temp. N/A Flash Point °F N/A Flash Point °C N/A **Explosion Limits** Flammabillty N/A Autoignition Temp N/A Solvent: 50 mg/ml CHCl3, clear, orange

Section 10 - Stability and Reactivity

Stability

Stable

Stable

Conditions to Avoid

Sensitive to light.

N/A = not available

Materials to Avold

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

Causes skin irritation.

Skin Absorption

May be harmful if absorbed through the skin.

Eye Contact

Causes eye irritation.

Inhalation

Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

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Sigma-Aldrich Corporation www.sigma-aldrich.com Ingestion

May be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: N/A

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: None

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

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU Additional Classification

Symbol of Danger: Xi

Indication of Danger

Irritant.

Risk Statements R: 36/37/38

Irritating to eyes, respiratory system and skin.

Safety Statements S: 26 36/37/39

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, Wear suitable protective clothing, gloves, and eye/face protection.

US Classification and Label Text

Indication of Danger

Irritant.

Risk Statements

Irritating to eyes, respiratory system and skin.

Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.

United States Regulatory Information

SARA Listed: No

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. DSL: No.

NDSL: No

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