MATERIAL SAFETY DATA SHEET

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SARA 313

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Section 1 - Product and Company Information
Product Name
                             CYS-GLY
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Product Number C0166 Brand SIGMA

Sigma-Aldrich Canada, Ltd Company Address

2149 Winston Park Drive Oakville ON L6H 6J8 CA Technical Phone: 9058299500 9058299292 Fax:

800-424-9300 Emergency Phone: Section 2 - Composition/Information on Ingredient

Substance Name CYS-GLY 19246-18-5

C5H10N2O3S Formula L-Cysteinylglycine * Glycine, N-cysteinyl Synonyms

RTECS Number: MB9285800

Section 3 - Hazards Identification

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

NFPA RATING HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

HMIS RATING

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

For additional information on toxicity, please refer to Section 11.

conscious. Call a physician.

Section 4 - First Aid Measures

INHALATION EXPOSURE

EYE EXPOSURE

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

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

DERMAL EXPOSURE

In case of contact, immediately flush eyes with copious amounts

AUTOIGNITION TEMP

of water for at least 15 minutes.

N/A

Section 5 - Fire Fighting Measures

FLAMMABILITY N/A

FLASH POINT N/A

appropriate foam.

FIREFIGHTING

EXTINGUISHING MEDIA

Section 6 - Accidental Release Measures PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and

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

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

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

heavy rubber gloves.

pickup is complete. Section 7 - Handling and Storage

HANDLING User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Store at -20°C Section 8 - Exposure Controls / PPE

type Pl (EN 143) dust masks.

ENGINEERING CONTROLS

reuse.

Appearance

BP/BP Range

MP/MP Range

SG/Density Bulk Density

Volatile%

Odor Threshold

Molecular Weight

Property

STORAGE

Safety shower and eye bath. Mechanical exhaust required. PERSONAL PROTECTIVE EQUIPMENT 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

Wash thoroughly after handling. Wash contaminated clothing before

Suitable: Keep tightly closed. Store in a cool dry place.

Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Section 9 - Physical/Chemical Properties Page 2 SIGMA - C0166 www.sigma-aldrich.com

Physical State: Solid

At Temperature or Pressure

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Value

N/A

N/A

N/A

N/A

N/A N/A

N/A

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide,

Multiple Routes: May be harmful by inhalation, ingestion, or

toxicological properties have not been thoroughly investigated.

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

178.2 AMU

Freezing Point Vapor Pressure N/A Vapor Density N/A Saturated Vapor Conc. N/A

VOC Content Water Content N/A Solvent Content N/A Evaporation Rate N/A Viscosity N/A Surface Tension N/A Partition Coefficient N/A Decomposition Temp. Flash Point Explosion Limits N/A Flammability N/A N/A Autoignition Temp Refractive Index N/A Optical Rotation N/A Miscellaneous Data N/A Solubility N/A N/A - not available Section 10 - Stability and Reactivity STABILITY

HAZARDOUS DECOMPOSITION PRODUCTS

Section 11 - Toxicological Information

Skin Contact: May cause skin irritation. Eye Contact: May cause eye irritation.

Section 12 - Ecological Information No data available.

regulations.

transport.

DSL: No NDSL: No

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IATA

Nitrogen oxides.

skin absorption.

SIGNS AND SYMPTOMS OF EXPOSURE

ROUTE OF EXPOSURE

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Section 14 - Transport Information

Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION

Section 13 - Disposal Considerations

DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

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

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

Dissolve or mix the material with a combustible solvent and burn

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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.

For R&D use only. Not for drug, household or other uses. WARRANTY The above information is believed to be correct but does not

Section 16 - Other Information

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 Inc., 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. Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

purport to be all inclusive and shall be used only as a guide. The

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