

## Section 1 - Product and Company Information

Product Name 8(S)-HYDROXY-(5Z,9E,11Z,14Z)- &  
Product Number H4019  
Brand SIGMA  
Company Sigma-Aldrich Canada, Ltd  
Address 2149 Winston Park Drive  
Oakville ON L6H 6J8 CA  
Technical Phone: 9058299500  
Fax: 9058299292  
Emergency Phone: 800-424-9300

## Section 2 - Composition/Information on Ingredient

Substance Name 8(S)-HYDROXY-(5Z,9E,11Z,14Z)-EICOSA CAS # 98462-03-4 SARA 313  
TETRAENOIC ACI No

Formula C20H32O3

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Flammable (USA) Highly Flammable (EU). Irritant.  
Irritating to eyes, respiratory system and skin.  
Target organ(s): Liver. Nerves.

## HMIS RATING

HEALTH: 2\*  
FLAMMABILITY: 0  
REACTIVITY: 0

## NFPA RATING

HEALTH: 2  
FLAMMABILITY: 0  
REACTIVITY: 0

\*additional chronic hazards present.

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

## Section 4 - First Aid Measures

## Section 5 - Fire Fighting Measures

## FLASH POINT

N/A

## AUTOIGNITION TEMP

N/A

## FLAMMABILITY

N/A

## Section 6 - Accidental Release Measures

## Section 7 - Handling and Storage

## STORAGE

Store at -20°C

## Section 8 - Exposure Controls / PPE

## Section 9 - Physical/Chemical Properties

Molecular Weight 320.5 AMU  
pH 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  
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  
Surface Tension N/A  
Partition Coefficient N/A  
Decomposition Temp. N/A  
Flash Point N/A  
Explosion Limits N/A  
Flammability N/A  
Autoignition Temp N/A  
Refractive Index N/A  
Optical Rotation N/A  
Miscellaneous Data N/A  
Solubility N/A

N/A = not available

## Section 10 - Stability and Reactivity

## Section 11 - Toxicological Information

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

## Section 14 - Transport Information

## DOT

SIGMA - H4019 www.sigma-aldrich.com Page 2

Proper Shipping Name: Ethanol [or] Ethyl alcohol [or]  
Ethanol solutions [or] Ethyl alcohol solutions

UN#: 1170  
Class: 3  
Packing Group: Packing Group II  
Hazard Label: Flammable liquid  
PIH: Not PIH

## IATA

Proper Shipping Name: Ethanol  
IATA UN Number: 1170  
Hazard Class: 3  
Packing Group: II

## Section 15 - Regulatory Information

## EU ADDITIONAL CLASSIFICATION

Symbol of Danger: F-Xi  
Indication of Danger: Highly Flammable. Irritant.  
R: 11-36/37/38  
Risk Statements: Highly flammable. Irritating to eyes,  
respiratory system and skin.  
S: 16-26-36  
Safety Statements: Keep away from sources of ignition - no  
smoking. In case of contact with eyes, rinse immediately with  
plenty of water and seek medical advice. Wear suitable  
protective clothing.

## US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Flammable (USA) Highly Flammable (EU).  
Irritant.  
Risk Statements: Irritating to eyes, respiratory system and skin.  
Safety Statements: Keep away from sources of ignition - no  
smoking. In case of contact with eyes, rinse immediately with  
plenty of water and seek medical advice. Wear suitable  
protective clothing.

US Statements: Target organ(s): Liver. Nerves.

## 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  
NDSL: No

## Section 16 - Other Information

## DISCLAIMER

For R&D use only. Not for drug, household or other uses.

## WARRANTY

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 Inc.,  
shall not be held liable for any damage resulting from handling or  
from contact with the above product. See reverse side of invoice

SIGMA - H4019 www.sigma-aldrich.com Page 3

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.