

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

CAS Number: 106-14-9
Product Name: 12-Hydroxy Stearic Acid
Revision Date: Jun 04, 2021 **Date Printed:** Feb 03, 2022
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Thames River Chemical Corp.
Address: 5230 Harvester Road Burlington, ON, CA, L7L 4X4
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 905-681-5353
Fax: 905-681-5377
Product/Recommended Uses: For laboratory or industrial use only.

SECTION 2) HAZARDS IDENTIFICATION**Classification**

Not a hazardous substance or mixture according to GHS (Globally Harmonized System).

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000106-14-9	HYDROXYSTEARIC ACID	100% - 100%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality or to reflect batch to batch variation.

SECTION 4) FIRST-AID MEASURES**Inhalation**

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

Eye Contact

Flush eyes with water as a precaution.

Skin Contact

Wash off with soap and plenty of water. Consult a physician.

Ingestion

Rinse mouth.

SECTION 5) FIRE-FIGHTING MEASURES**Fire-fighting Procedures**

Extinguishing Media : Foam, carbon dioxide, water, dry chemical powder.

Unsuitable Extinguishing Media : No restrictions in fire carbon monoxide and carbon dioxide may form. Special Protective Equipment : Standard Fireman's Body Protection and self-contained breathing apparatus is recommended.

SECTION 6) ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions : Wear suitable respiratory protection.
 Environmental Precautions : None
 Methods for Clean Up : Sweep dry and flush with water. If melt is spilled, allow it to solidify.

SECTION 7) HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling : Avoid dust formation and keep away from sources of ignition.
 Storage : Keep containers closed and in dry area away from heat & light

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

8.2 Exposure Controls

Engineering measures : No special measures required Control Parameters *limit values of inert dust: max 6mg/m³ *biological standards
 Personal Protection : Usual, same as for handling chemicals.
 * Respiratory Equipment: Dust Mask
 * Hand Protection: Neoprene gloves
 * Eye Protection: Protective glasses
 * Skin Protection: None

None of the chemicals in Section 3 are regulated under "ACGIH_carcinogen", "ACGIH_Notations", "ACGIH_TLV_Basis", "ACGIHsmg", "ACGIHsppm", "ACGIHtmg", "ACGIHtppm", "CAN_AL_Carcinogen", "CAN_AL_Notation", "CAN_ALsmg", "CAN_ALsppm", "CAN_ALtmg", "CAN_ALtppm", "CAN_ONsmg", "CAN_ONsppm", "CAN_ONtmg", "CAN_ONtppm", "CAN_QCVECDmg - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_mg", "CAN_QCVECDppm - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_ppm", "CAN_QCVEMPmg - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_mg", "CAN_QCVEMPppm - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_ppm", "CANsmg", "CANsppm", "CANtmg", "CANtppm", "OSHA_SkinDesignation", "OSHA_Tables_Z1_Z2_Z3", "OSHA_Carcinogen - OSHA Carcinogen", "OSHASmg", "OSHASppm", "OSHAAtmg", "OSHAAtppm"

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.35 lb/gal
Specific Gravity	1.00
Appearance	Creamy-to-white flakes or powder
Odor Description	Natural, non-offending
Odor Threshold	N/A
pH	N/A
Melting/Freezing Point	Above 72-77 °C
Low Boiling Point	Above 300 °C
High Boiling Point	N/A
Flash Point	210.00 °C
Vapor Pressure	N/A
Vapor Density	N/A

Evaporation Rate	N/A
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Water Solubility	Insoluble in water
Coefficient Water/Oil	N/A
Viscosity	N/A

SECTION 10) STABILITY AND REACTIVITY**Conditions To Avoid**

This product is stable.

Incompatible Materials

Strong alkalis

Hazardous Decomposition Products

None under normal handling and storage conditions.

SECTION 11) TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Expected LD50 oral-rate > 5000 mg/kg based on data taken from similar product.

SECTION 12) ECOLOGICAL INFORMATION**Toxicity**

Eco toxicity : Acute fish toxicity LCO > 100 mg/L.
Bacteria toxicity ECO > 100 mg/L.

Persistence and Degradability

Readily biodegradable

Mobility in Soil

No data available.

Other Adverse Effects

Not applicable.

SECTION 13) DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

Can be landfilled together with household refuse, in accordance with local regulations

SECTION 14) TRANSPORT INFORMATION

	Transport Canada Information	U.S. DOT Information	IMDG Information	IATA Information
UN number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A	N/A	N/A
Hazard class:	Not Applicable			
Hazard class:		Not Applicable	Not Applicable	Not Applicable
Packaging group:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ):	No Data Available	No Data Available		
Marine Pollutant:	No Data Available	No Data Available	No Data Available	
Note / Special Provision:	No Data Available	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:	No Data Available	No Data Available		

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000106-14-9	HYDROXYSTEARIC ACID	100% - 100%	DSL,TSCA,EU_EC_Inventory - European_EC_Inventory

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CANsmg or CANspmm - Canadian Short Term Exposure Level in mg/L or in ppm; CANtmg or CANtppm - Canadian Time Weighted Average in mg/L or in ppm; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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