

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: 106-14-9
Product Name: 12-Hydroxy Stearic Acid
Revision Date: Jun 04, 2021 **Date Printed:** Jun 11, 2021
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%

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

Chemical Name	CANsmg	CANspgm	CANtmg	CANtppm	OSHASmg	OSHASppm	OSHAtmg	OSHAtpm
No applicable chemical	-	-	-	-	-	-	-	-

Chemical Name	OSHA_Carcinogen - OSHA Carcinogen	OSHA_Tables_Z1_Z2_Z3	OSHA_SkinDesignation	ACGIHsmg	ACGIHspgm	ACGIHtmg	ACGIHtpm	ACGIH_TLV_Basis
No applicable chemical	-	-	-	-	-	-	-	-

Chemical Name	ACGIH_carcinogen	ACGIH_Notations
No applicable chemical	-	-

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 Point	Above 72-77 °C
Low Boiling Point	Above 300 °C
High Boiling Point	N/A
Flash Point	210 °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

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.

Mobility in Soil

No data available.

Persistence and Degradability

Readily biodegradable

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
UN number:	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A
Hazard class:	Not Applicable	Not Applicable
Packaging group:	Not Applicable	Not Applicable
Hazardous substance (RQ):		No data available
Marine Pollutant:	No data available	No data available
Note / Special Provision:	No data available	No data available
Toxic-Inhalation Hazard:		No data available
Transport in bulk (according to Annex II of MARPOL 73/78):	No data available	

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000106-14-9	Hydroxystearic acid	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.

Version 1.0:

Revision Date: Jun 04, 2021

First Edition.

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