



# SILVER FERN CHEMICAL

## SAFETY DATA SHEET

### MYRISTIC ACID

#### SECTION 1: IDENTIFICATION

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**Product Name:** MYRISTIC ACID

**CAS Number:** 544-63-8

**Synonyms:** Tetradecanoic acid

**Company**

Silver Fern Chemical, Inc.  
121 W. De La Guerra Street, Suite B  
Santa Barbara, CA 93101 USA

**Business Contact**

Customer Service: 206-282-3376  
[info@silverfernchemical.com](mailto:info@silverfernchemical.com)

**24 Hour Emergency Contact**

Infotrac 800-535-5053  
Outside USA & Canada  
352-323-3500

#### SECTION 2: HAZARD IDENTIFICATION

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**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:**

**Potential Health Effects:**

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation. May be harmful if absorbed through the skin.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.

**Chronic:** No information found.

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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| CAS#     | Chemical Name | Percent | EINECS/ELINCS |
|----------|---------------|---------|---------------|
| 544-63-8 | Myristic Acid | 95+     | 208-875-2     |



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#### SECTION 4: FIRST AID MEASURES

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**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Do not induce vomiting. Get medical aid if irritation or symptoms occur.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** Treat symptomatically and supportively.

#### SECTION 5: FIRE FIGHTING MEASURES

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**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Flash Point:** > 110 deg C (> 230.00 deg F)

**Auto-ignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 2; Flammability: 1; Instability: 1

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

#### SECTION 7: HANDLING AND STORAGE

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**Handling:** Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

#### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**



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| Chemical Name | ACGIH       | NIOSH       | OSHA - Final PELs |
|---------------|-------------|-------------|-------------------|
| Myristic Acid | none listed | none listed | none listed       |

**OSHA Vacated PELs:** Myristic Acid: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Appearance:** white

**Odor:** None reported.

**pH:** Not available.

**Vapor Pressure:** < 0.01 hPa @ 20 deg C

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 326 deg C @ 760 mmHg

**Freezing/Melting Point:** 50 - 57 deg C

**Decomposition Temperature:** Not available.

**Solubility:** Insoluble.

**Specific Gravity/Density:** Not available.

**Molecular Formula:** C<sub>14</sub>H<sub>28</sub>O<sub>2</sub>

**Molecular Weight:** 228.37

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Light sensitive.

**Conditions to Avoid:** Incompatible materials, light, dust generation, excess heat.

**Incompatibilities with Other Materials:** Oxidizing agents, reducing agents, bases.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Will not occur.



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#### SECTION 11: TOXICOLOGICAL INFORMATION

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**RTECS#:** QH4375000

**CAS#** 544-63-8

**LD50/LC50:** CAS# 544-63-8: Draize test, rabbit, eye: 100 mg Mild;  
Oral, rat: LD50 = >10 gm/kg;

**Carcinogenicity:**

CAS# 544-63-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Mutagenicity:** No information available.

**Neurotoxicity:** No information available.

**Other Studies:** No information available.

#### SECTION 12: ECOLOGICAL INFORMATION

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**Ecotoxicity:** No data available. No information available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** Do not empty into drains.

#### SECTION 13: DISPOSAL CONSIDERATIONS

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Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

#### SECTION 14: TRANSPORT INFORMATION

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|                       | US DOT         | Canada TDG     |
|-----------------------|----------------|----------------|
| <b>Shipping Name:</b> | Not regulated. | Not regulated. |
| <b>Hazard Class:</b>  |                |                |
| <b>UN Number:</b>     |                |                |
| <b>Packing Group:</b> |                |                |



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*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

#### SECTION 15: REGULATORY INFORMATION

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##### US FEDERAL

###### TSCA

CAS# 544-63-8 is listed on the TSCA inventory.

###### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

###### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

###### Section 12b

None of the chemicals are listed under TSCA Section 12b.

###### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

###### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

###### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

###### Section 313

No chemicals are reportable under Section 313.

###### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

###### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

###### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

##### STATE

CAS# 544-63-8 is not present on state lists from CA, MN, MA, FL, or NJ.

**Pennsylvania Right To Know Components:** Myristic acid, CAS# 544-63-8

###### California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.



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#### European/International Regulations

European Labeling in Accordance with EC Directives

**Hazard Symbols:** XI

**Risk Phrases:** R 36/38 Irritating to eyes and skin.

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

**WGK (Water Danger/Protection)**

CAS# 544-63-8: 0

**Canada - DSL/NDSL**

CAS# 544-63-8 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 544-63-8 is listed on the Canadian Ingredient Disclosure List.

#### SECTION 16: OTHER INFORMATION

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##### DISCLAIMER OF RESPONSIBILITY

The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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