

MSDS# 09858

## Section 1 - Chemical Product and Company Identification

MSDS Name: Palmitoleic acid, 99%  
 Catalog Numbers: AC376910000, AC376910010  
 Synonyms: cis-9-Hexadecenoic acid

Company Identification: Acros Organics BVBA  
 Janssen Pharmaceuticaalaa 3a  
 2440 Geel, Belgium  
 Acros Organics  
 One Reagent Lane  
 Fair Lawn, NJ 07410

Company Identification: (USA)

For information in the US, call: 800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11  
 Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number US: 201-796-7100  
 CHEMTREC Phone Number, US: 800-424-9300  
 CHEMTREC Phone Number, Europe: 703-527-3887

## Section 2 - Composition, Information on Ingredients

CAS#: 373-49-9  
 Chemical Name: Palmitoleic acid  
 %: 99%  
 EINECS#: 206-765-9

Hazard Symbols: XI



Risk Phrases: 36/37/38

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Not available Target Organs: Respiratory system, eyes, skin.

## 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: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic:

## Section 4 - First Aid Measures

Eyes: 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. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.  
 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.

Notes to Physician: Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustible liquid and vapor.  
 Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: Not available

Flash Point: 62 deg C ( 143.60 deg F)

Explosion Limits: Not available  
 Lower:

Explosion Limits: Not available  
 Upper:

NFPA Rating: health: ; flammability: 2; instability: ;

## Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.  
 Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## Section 7 - Handling and Storage

Handling: Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes.  
 Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39°F.) Store under an inert atmosphere.

## Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Pinal PELs
Palmitoleic acid	none listed	none listed	none listed

OSHA Vacated PELs: Palmitoleic acid: None listed

## 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

## Personal Protective Equipment

Eyes: Not available  
 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: Clear liquid  
 Color: Not available

Odor: Not available  
 pH: Not available

Vapor Pressure: Not available  
 Vapor Density: Not available

Evaporation Rate: Not available  
 Viscosity: Not available

Boiling Point: 162 deg C @0.6mmHg ( 323.60°F)

Freezing/Melting Point: 0.5 deg C ( 32.90°F)

Decomposition Temperature: Not available  
 Solubility in water: Not available

Specific Gravity/Density: 0.894

Molecular Formula: C16H30O2

Molecular Weight: 254.41

## Section 10 - Stability and Reactivity

Chemical Stability: Stable.  
 Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Not available  
 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

## Section 11 - Toxicological Information

RTECS#: CAS# 373-49-9: None listed  
 LD50/LC50: RTECS: Not available.

Carcinogenicity: Palmitoleic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Not available

Teratogenicity: Not available

Reproductive: Not available

Neurotoxicity: Not available

Mutagenicity: Not available

Other: The toxicological properties have not been fully investigated.

## Section 12 - Ecological Information

Not available

## Section 13 - Disposal Considerations

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

US DOT  
 Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

## Section 15 - Regulatory Information

US Federal

TSCA

CAS# 373-49-9 is not listed on the TSCA Inventory. It is for research and development use only.

## Health &amp; Safety Reporting

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

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: STATE Palmitoleic acid is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65  
 California No Significant Risk Level: None of the chemicals in this product are listed.

## European/International Regulations

## European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system 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# 373-49-9: Not available

## Canada

Canadian WHMIS Classifications: Not available

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.

CAS# 373-49-9 is not listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: 10/08/2004

Revision #1 Date 9/26/2007

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.