



## Material Safety Data Sheet

Ethyl trans-2-cis-4-decadienoate, 97%, mixture of isomers

MSDS# 72761

### Section 1 - Chemical Product and Company Identification

MSDS Name:	Ethyl trans-2-cis-4-decadienoate, 97%, mixture of isomers
Catalog Numbers:	AC275050000, AC275050050, AC275050250
Synonyms:	2,4-Decadienoic acid, ethyl ester, (2E,4Z)-; 2,4-Decadienoic acid, ethyl ester, (E,Z)-; Deca-2,4-dienoate, ethyl, (E,Z)-; E,Z-Ethyl 2,4-decadienoate; Ethyl (2E,4Z)-2,4-decadienoate; Ethyl (2E,4Z)-decadienoate; Ethyl (E,Z)-2,4-decadienoate; Ethyl trans-2, cis-4-decadienoate; Ethyl-2-trans-4-cis-decadienoate
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
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#:	3025-30-7
Chemical Name:	2,4-Decadienoic acid, ethyl ester, (E,Z)-
%:	97
EINECS#:	221-178-8

Hazard Symbols: None listed

Risk Phrases: None listed

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Caution! Air sensitive. This is expected to be a low hazard for usual industrial handling. Good laboratory procedures are recommended when handling this compound. Target Organs: No data found.

#### Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause mild skin irritation. Low hazard for usual industrial handling.
Ingestion:	Low hazard for usual industrial handling. May cause mild digestive tract irritation.
Inhalation:	May cause respiratory tract irritation.
Chronic:	No information found.

### Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get

Skin: medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. 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:

#### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

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

Autoignition Temperature: 290 deg C ( 554.00 deg F)

Flash Point: 121 deg C ( 249.80 deg F)

Explosion Limits: Not available

Lower: Not available

Explosion Limits: Not available

Upper: Not available

NFPA Rating: health: 0; flammability: 1; instability: 0;

#### 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. Provide ventilation. Place under an inert atmosphere.

#### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Handle under an inert atmosphere. Store protected from air.

Storage: Keep containers tightly closed. Do not expose to air. Store under an inert atmosphere. Store in a cool, dry area away from incompatible substances.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2,4-Decadienoic acid, ethyl ester, (E,Z)-	none listed	none listed	none listed

OSHA Vacated PELs: 2,4-Decadienoic acid, ethyl ester, (E,Z)-: 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: 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 minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear yellow

Odor: none reported

pH: Not available

Vapor Pressure: Not available

Vapor Density: 6.77

Evaporation Rate: Not available

Viscosity: 3.7 MPA 20.00 deg C

Boiling Point: 260 deg C @ 760.00mm Hg ( 500.00°F)

Freezing/Melting Point: -60 deg C ( -76.00°F)

Decomposition Temperature: Not available

Solubility in water: 84 mg/l

Specific Gravity/Density: .9030g/cm3

Molecular Formula: C12H20O2

Molecular Weight: 196.29

## Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to air, excess heat, strong oxidants.

Incompatibilities with Other Materials

Strong oxidizing agents, air.

Hazardous Decomposition Products

Carbon monoxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization

Will not occur.

## Section 11 - Toxicological Information

RTECS#: CAS# 3025-30-7: HD3510900

RTECS:

LD50/LC50: CAS# **3025-30-7**: Oral, rat: LD50 = >5 gm/kg;  
Skin, rabbit: LD50 = >5 gm/kg;

Carcinogenicity: 2,4-Decadienoic acid, ethyl ester, (E,Z)- - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

Not available

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## 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

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 3025-30-7: 1

Canada

CAS# 3025-30-7 is listed on Canada's DSL List

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# 3025-30-7 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 3025-30-7 is listed on the TSCA  
Inventory.

#### Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #8 Date 7/20/2009

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.

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