Language: EN Country:

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**** MATERIAL SAFETY DATA SHEET ****
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LINOLENIC ACID, 99%

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: LINOLENIC ACID, 99%

Catalog Numbers:

30282-0000, 30282-0010, 30282-0050

Synonyms:

(Z,Z,Z)-9,12,15-Octadecatrienoic acid

Company Identification (Europe): Acros Organics BVBA
Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

Company Identification (USA):

Acros Organics One Reagent Lane Fairlawn, NJ

For information in North America, call: 800-ACROS-01 For information in Europe, call: 0032(0) 14575211 For emergencies in the US, call CHEMTREC: 800-424-9300 For emergencies in Europe, call: 0032(0) 14575299

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

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	CAS#	Chemical Name	8	EINECS#	Haz Symbols	Risk Phrases	Ţ
Ì.	463-40-1	LINOLENIC ACID	99%	207-334-8		,	

Hazard Symbols: None Listed. Risk Phrases: None Listed.

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye:

May cause eye irritation.

May cause skin irritation.

Ingestion:

The toxicological properties of this substance have not been fully investigated.

Inhalation:

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:

Not available.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eves:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

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:

\*\*\*\* 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.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

\*\*\*\* 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, vapor, mist, or gas. Avoid contact with skin

Storage:

Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket. Keep refrigerated. (Store below

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4°C/39°F.)
            **** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****
      Engineering Controls:
            Use adequate ventilation to keep airborne concentrations low.
      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. Always use
                            a NIOSH or European Standard EN 149 approved
                            respirator when necessary.
                **** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****
Physical State:
                                 Liquid
Color:
                                  clear colorless to light yellow
Odor:
                                  Not available.
pH:
                                  Not available.
Vapor Pressure:
                                  Not available.
Viscosity:
Boiling Point:
Freezing/Melting Point:
Autoignition Temperature:
                                 Not available.
230 - 232 deg C @ 1.00mm Hg
                                 -11 deg C
Not available.
                                 > 109 deg C (> 228.20 deg F)
Not available.
Flash Point:
Explosion Limits, lower: Explosion Limits, upper:
                                 Not available.
Decomposition Temperature:
Solubility in water:
                                  insoluble
Specific Gravity/Density: Molecular Formula:
                                 .9140g/cm3
Molecular Weight:
                     **** SECTION 10 - STABILITY AND REACTIVITY ****
      Chemical Stability:
            Stable under normal temperatures and pressures.
      Conditions to Avoid:
      Incompatible materials.
Incompatibilities with Other Materials:
Oxidizing agents, reducing agents, bases.
      Hazardous Decomposition Products:
      Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.
                   **** SECTION 11 - TOXICOLOGICAL INFORMATION ****
      RTECS#:
            CAS# 463-40-1 unlisted.
      LD50/LC50:
            Not available.
      Carcinogenicity:
        LINOLENIC ACID -
            Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.
                      **** SECTION 12 - ECOLOGICAL INFORMATION ****
                     **** SECTION 13 - DISPOSAL CONSIDERATIONS ****
Dispose of in a manner consistent with federal, state, and local regulations.
                      **** SECTION 14 - TRANSPORT INFORMATION ****
      IATA
            No information available.
      IMO
            No information available.
      RID/ADR
            No information available.
                      **** 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# 463-40-1: No information available.
   United Kingdom Occupational Exposure Limits
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United Kingdom Maximum Exposure Limits

OHIECG KINGGOM HGAIMGM BAPODGEC BIMIED

Canada

CAS# 463-40-1 is listed on Canada's DSL List.

CAS# 463-40-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits
S FEDERAL

US FEDERAL TSCA

CAS# 463-40-1 is listed on the TSCA inventory.

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

MSDS Creation Date: 11/22/1996 Revision #0 Date: Original.

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