



## MATERIAL SAFETY DATA SHEET

DECANOIC ACID

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:  
Decanoic acid, 96%

Catalog Numbers:  
11190-0000, 11190-0010, 11190-1000

Synonyms:  
Capric acid

Company Information:  
LEONID CHEMICALS  
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb  
Ashokpuram School Road  
Bangalore-560 022, Karnataka, INDIA  
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	334-48-5
Chemical Name	:	Decanoic acid
%	:	96 %
EINECS#	:	206-376-4
Hazard Symbols	:	XI
Risk Phrases	:	36/38

### SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
Irritating to eyes and skin.

Potential Health Effects

Eye:

Causes eye irritation.

Skin:

Causes moderate skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

Not available.

### 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:

Do not induce vomiting. Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately.

Notes to Physician:

Un Listed

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## 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. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media:

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

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## 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.

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## SECTION 7 - HANDLING and STORAGE

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Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

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## SECTION 8 - EXPOSURE CONTROLS, 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.

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.

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#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	:	Solid
Color	:	white to light yellow
Odor	:	Not available.
pH	:	4.6 @ 0.01 g/l water
Vapor Pressure	:	0.13 hPa @ 79 deg C
Viscosity	:	4.3 mPa.s @ 50 deg C
Boiling Point	:	268 - 270 deg C @ 760.00mm Hg
Freezing/Melting Point	:	30 - 32 deg C
Autoignition Temperature	:	Not available.
Flash Point	:	> 112 deg C (> 233.60 deg F)
Explosion Limits, lower	:	Not available.
Explosion Limits, upper	:	Not available.
Decomposition Temperature	:	
Solubility in water	:	0.15 G/L WATER (20° C)
Specific Gravity/Density	:	.8930g/cm3
Molecular Formula	:	C10H20O2
Molecular Weight	:	172.27

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#### SECTION 10 - STABILITY AND REACTIVITY

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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.  
Polymerization:  
Has not been reported.

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#### SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:  
CAS# 334-48-5: Hd9100000

LD50/LC50:  
CAS# 334-48-5: Draize test, rabbit, skin: 500 mg/24H Moderate; Oral, rat: LD50 = >10 gm/kg.

Carcinogenicity:  
Decanoic acid -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
See actual entry in RTECS for complete information.

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#### SECTION 12 - ECOLOGICAL INFORMATION

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Ecotoxicity:  
log Pow: 4.1

Other:  
Biodegradable.

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#### SECTION 13 - DISPOSAL CONSIDERATIONS

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

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#### SECTION 14 - TRANSPORT INFORMATION

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##### IATA

No information available.

##### IMO

No information available.

##### RID/ADR

No information available.

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#### SECTION 15 - REGULATORY INFORMATION

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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# 334-48-5: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

##### Canada

CAS# 334-48-5 is listed on Canada's DSL List.

CAS# 334-48-5 is listed on Canada's Ingredient Disclosure List.

##### Exposure Limits

US FEDERAL

##### TSCA:

CAS# 334-48-5 is listed on the TSCA inventory.

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#### SECTION 16 - ADDITIONAL INFORMATION

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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 way 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.

