



## MATERIAL SAFETY DATA SHEET

3,5-DIMETHYL-4-HYDROXYBENZONITRILE

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

3,5-Dimethyl-4-hydroxybenzotrile

Catalog Numbers: 35366-0000, 35366-0010, 35366-0050

Synonyms:

Un Listed

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 #	:	4198-90-7
Chemical Name	:	3,5-Dimethyl-4-hydroxybenzotrile
%	:	Un Listed
EINECS#	:	Un Listed
Hazard Symbols	:	XN
Risk Phrases	:	20/21/22

### SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. Harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation:

Harmful if inhaled. May cause respiratory tract irritation.

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:

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:

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.

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:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment :

Eyes:

Wear chemical goggles.

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	:	light brown
Odor	:	Not available.
pH	:	Not available.
Vapor Pressure	:	Not available.
Viscosity	:	Not available.
Boiling Point	:	Not available.
Freezing/Melting Point	:	121 - 124 deg C
Autoignition Temperature	:	Not available.
Flash Point	:	Not available.
Explosion Limits, lower	:	Not available.
Explosion Limits, upper	:	Not available.
Decomposition Temperature	:	Un Listed
Solubility in water	:	Un Listed
Specific Gravity/Density	:	Un Listed
Molecular Formula	:	C <sub>9</sub> H <sub>9</sub> NO
Molecular Weight	:	147.0691

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## SECTION 10 - STABILITY AND REACTIVITY

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Chemical Stability:

Not available.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide.

Polymerization:

Has not been reported.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:

CAS# 4198-90-7: Di4359000

LD50/LC50:

Not available.

Carcinogenicity:

3,5-Dimethyl-4-hydroxybenzonitrile -

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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Un Listed

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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:

XN

### Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

### Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

### WGK (Water Danger/Protection)

CAS# 4198-90-7: No information available.

### United Kingdom Occupational Exposure Limits

### United Kingdom Maximum Exposure Limits

### Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 4198-90-7 is not listed on Canada's Ingredient Disclosure List.

### Exposure Limits :

### US FEDERAL

#### TSCA:

CAS# 4198-90-7 is not listed on the TSCA inventory.

It is for research and development use only.

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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.