



MATERIAL SAFETY DATA SHEET

3-CHLOROBENZYLAMINE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
3-CHLOROBENZYLAMINE

Catalog Numbers:
AC297570000, AC297570050, Ac297570250

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 #	:	4152-90-3
Chemical Name	:	3-Chlorobenzylamine
%	:	ca 100 %
EINECS#	:	223-985-0
Hazard Symbols	:	Un Listed
Risk Phrases	:	Un Listed

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: clear almost colorless liquid.

Danger! Corrosive. Causes eye and skin burns. May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.

Target Organs:
Respiratory system, eyes, skin.

Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns. Amines have been known to cause skin irritation and sensitization.

Ingestion:

May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns.

Inhalation:

Causes chemical burns to the respiratory tract.

Chronic:

No information found.

SECTION 4- FIRST AID MEASURES

Eyes:

Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media:

: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out.

Flash Point:

98 deg C (208.40 deg F)

Autoignition Temperature:

Not available.

Explosion Limits, Lower:

Not available.

Upper:

Not available.

NFPA Rating:

(estimated) Health: 3; 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. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up

spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

SECTION 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not ingest or inhale. Use with adequate ventilation. Discard contaminated shoes.

Storage:

Store in a cool, dry place. Keep container closed when not in use. Corrosives area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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 :

Chemical Name	:	3-Chlorobenzylamine
ACGIH	:	none listed
NIOSH	:	none listed
OSHA - Final PELs	:	none listed

OSHA Vacated PELs:

3-Chlorobenzylamine: No OSHA Vacated PELs are listed for this chemical.

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
Appearance	:	clear almost colorless
Odor	:	None reported.
Ph	:	Not available.
Vapor Pressure	:	Not available.
Vapor Density	:	4.9
Evaporation Rate	:	Not available.
Viscosity	:	Not available.

Boiling Point	:	110.0 - 112.0 C
Freezing/Melting Point	:	Not available.
Decomposition Temperature	:	Not available.
Solubility	:	Not available.
Specific Gravity/Density	:	1.1590
Molecular Formula	:	C7H8ClN
Molecular Weight	:	141.5157

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, excess heat, strong oxidants.

Incompatibilities with Other Materials:

Oxidizing agents, acids, acid chlorides, acid anhydrides.

Hazardous Decomposition Products:

Hydrogen chloride, carbon monoxide, oxides of nitrogen, carbon dioxide.

Polymerization:

Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 4152-90-3 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

CAS# 4152-90-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology : No information available.

Teratogenicity : No information available

Reproductive Effects : No information available

Mutagenicity : No information available

Neurotoxicity : No information available

Other Studies:

Un Listed

SECTION 12 - ECOLOGICAL INFORMATION

No information 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.

-

RCRAP-Series : None listed.

RCRA U-Series : None listed.

SECTION 14 - TRANSPORT INFORMATION

US DOT

Shipping Name : DOT regulated - small quantity provisions apply (see 49CFR173.4)

Hazard Class : Un Listed

UN Number : Un Listed

Packing Group : Un Listed

Canada TDG

Shipping Name : AMINES, CORROSIVE, LIQUID, N.O.S.
(3-CHLOROBENZYLAMINE)

Hazard Class : 8

UN Number : Un2375

Packing Group : II

SECTION 15 - REGULATORY INFORMATION

US FEDERAL

TSCA

CAS# 4152-90-3 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting 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 TPO.

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 depletors.

This material does not contain any Class 2 Ozone depletors.

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:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 4152-90-3 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:

C

Risk Phrases:

R 34 Causes burns.

Safety Phrases:

S 25 Avoid contact with eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 4152-90-3: No information available.

Canada - DSL/NDSL

CAS# 4152-90-3 is listed on Canada's NDSL List.

Canada - WHMIS

This product has a WHMIS classification of E.

Canadian Ingredient Disclosure List:

Un Listed

SECTION 16 - ADDITIONAL INFORMATION

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 Fisher 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 Fisher has been advised of the possibility of such damages.