

DR. J. PHARMACHEM PVT. LTD.

Regd. Office : 722/AB/15, "Nirmal", Laxmi Park Colony, Navi Peth, Pune - 411030, India
Telephone : +91 (20) 24530071
Email : info@jpharmachem.com, Web : www.jpharmachem.com
Factory : Plot No. - 311, Sector- 10, Bhosari, Pune, India, 411035



(an ISO 9001:2016 Certificate Company)

SafetyDataSheet

N,N-DIMETHYLBENZYLAMINE

Revision date :

Page: 1/8

Version : 3.0

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Chemical Name : N,N-Dimethylbenzylamine
CAS NO. : 103-83-3

Relevant identified uses of the substance or mixture and uses advised against

1. It is used as a catalyst for the formation of polyurethane foams and epoxy resins.
2. It is used in the manufacture of adhesives and other chemicals.
3. Accelerator for epoxy resins in laminates for electrical equipment.

Details of the supplier of the safety data sheet

COMPANY

DR. J. PHARMACHEM PVT. LTD.
722/AB/15, "NIRMAL", Laxmi Park Colony, Navi
Peth,
Pune-411030
Maharashtra, India
Telephone : +91-20-24530071
Email: sales@jpharmachem.com

2 HAZARD IDENTIFICATION

Classification of the substance or mixture

Physical and Chemical Hazards : Flammable liquids (Category 3)
Human Health : Acute toxicity, Inhalation (Category 4)
Acute toxicity, Dermal (Category 4)
Acute toxicity, Oral (Category 4)
Skin corrosion (Category 1B)
Environment : Chronic aquatic toxicity (Category 3)
Causes burns. Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful by inhalation, in contact with skin and if swallowed.

Labelling according Regulation (EC) No 1272/2008 [CLP]

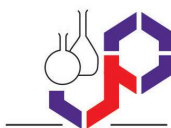
Pictogram



Signalword

Danger.

H226 : Flammable liquid and vapour.
H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H332 : Harmful if inhaled.
H412 : Harmful to aquatic life with long lasting effects.



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P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, Continue rinsing.

P310

Immediately call a POISON CENTER or doctor/ physician.

Hazard symbol(s)



R-phrases(s)

R10

Flammable.

R20/21/22

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

R34

Causes burns.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36

Wear suitable protective clothing.

S45

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

S61

Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Other hazards

None.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Component

Chemical Name

N,N-Dimethylbenzylamine

CAS NO

103-83-3

EC Number

203-149-1

Molecular Formula

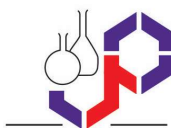
C₉H₁₃N

Molecular Weight

135.21 g/mol.

Concentration

99.0% Min.



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4 FIRSTAIDMEASURES

Descriptionoffirstaidmeasures

General advice

Consultaphysician.

Showthissafetydatasheettothedoctorinattendance.

If inhaled

If breathed in, move person into fresh air.

If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

Take victim immediately to hospital.

Consultaphysician.

In case of eye contact

Rinse thoroughly with plenty of water for at least

15 minutes and consult a physician.

Ifswallowed

Donotinducevomiting.

Never give anything by mouth to an unconscious person.

Rinsemouthwithwater. Consult

a physician.

Most importantsymptomsandeffects,bothacuteanddelayed

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea.

Indicationofanyimmediatemedicalattentionandspecialtreatmentneeded

Nodataavailable.

5 FIREFIGHTINGMEASURES

Extinguishingmedia

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbonoxides,nitrogenoxides(NOx)

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

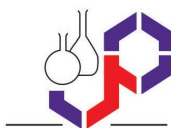
Furtherinformation

Usewaterspraytocoolunopenedcontainers.

6 ACCIDENTALRELEASEMEASURES

Personalprecautionsprotectiveequipmentandemergencyprocedures

Wearrespiratoryprotection.



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Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.
Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking.
Take measures to prevent the build-up of electrostatic charge.

Information about protection against explosions and fires

No data available.

Conditions for safe storage including any incompatibilities

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

No data available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

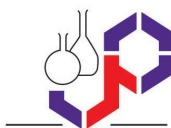
Control parameters

Exposure control

No data available.

Appropriate engineering controls

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.



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Eye/faceprotection

Tightly fitting safety goggles

Faceshield(8-inchminimum).

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Handsprotection

Handlewithgloves.

Glovesmustbeinspectedpriortouse.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Washanddryhands.

BodyProtection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratoryprotection

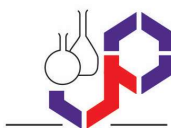
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Iftherespiratoristhesolemeansofprotection,usea full-facesuppliedairrespirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICALANDCHEMICALPROPERTIES

a) Appearance	Lightyellowliquid
b) Odour	amine-like
c) OdourThreshold	Nodataavailable.
d) pH(%solutioninwater)	0.1%
pH	10
e) Meltingpoint/freezingpoint	-75Â°C
f) Initialboilingpointandboilingrange	180Â°C
g) Flashpoint	54Â°C
h) Evaporationrate	Nodataavailable.
i) Flammability(solidorgas)	Nodataavailable.
j) Upper/lowerflammabilityorexposivelimits	Upper/lowerexplosionlimit:6.3%(V),0.9%(V)
k) Vapourpressure	1.3at(68Â°F)20Â°C



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l) Vapour density	4.66g/cm ³
m) Relative density	0.9g/cm ³ at 25°C
n) Water solubility	soluble in alcohol, ether, insoluble in water
o) Partition coefficient: n-octanol/water	log Pow: 1.87
p) Auto ignition temperature	250°C
q) Decomposition temperature	>60°C
r) Viscosity	<20 cSt at 40°C (104°F)
s) Explosive properties	No data available.
t) Oxidizing properties	No data available.

9.2 Others safety information

Bulk Density	0.9g/ml at 25°C mmHg (lit)
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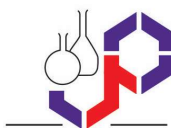
10 STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	No data available.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Carbon dioxide (CO ₂)
Hazardous decomposition products	Other decomposition products - No data available.

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	LD50 Oral-Rat-265mg/kg
Acute dermal toxicity	LD50 Dermal-Rabbit-1.660mg/kg
Skin corrosion/irritation	Skin - Rabbit - Severe skin irritation - 4 h
Serious eye damage/eye irritation	Eyes - Rabbit - Severe eye irritation
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available.



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Specific target organ toxicity-single exposure	Nodata available.
Specific target organ toxicity-repeated exposure	Nodata available.
Signs and symptoms of exposure	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea
Aspiration hazard	Nodata available.
Inhalation	Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	Toxic if swallowed. Causes burns.
Skin	Harmful if absorbed through skin. Causes skin burns.
Eyes	Causes eye burns.
RTECS	DP4500000

12 ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - 10,0 - 22,0 mg/l - 96,0 h
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Persistence and degradability

Biodegradation

Nodata available.

Bioaccumulative potential

Nodata available.

Mobility in soil

Nodata available.

Results of PBT and vPvB assessment

Nodata available.

Other adverse effects

Toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

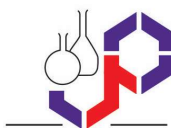
Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Offers surplus and non-recyclable solution to a licensed disposal company

Contaminated packaging



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Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

2619

2619

2619

14.2 UN proper shipping name

ADR/RID

IMDG

IATA

Benzyl dimethylamine

Benzyl dimethylamine

Benzyl dimethylamine

14.3 Transport hazard class(es)

ADR/RID

IMDG

IATA

8(3)

8(3)

8(3)

14.4 Packaging group

ADR/RID

IMDG

IATA

II

II

II

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

No

No

No

14.6 Special precautions for user

No data available.

15 REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislations specific for the substance or mixture

No data available.

Chemical Safety Assessment

No data available.

16 OTHER INFORMATION

Month of Creation

March 2021

Month of Revision

March 2024