

Deepak Nitrite Limited

Material Safety Data Sheet

Para-cumidine

1 Product And Company Identification :

Product Name : **Para-cumidine**
 CAS No. : **99-88-7**
 Supplier : Deepak Nitrite Ltd.
 National Games Road, Opposite Golf Course,
 Yerawada, Pune – 411 006. (India).
 Tel No. : +91 – 20 – 26689265
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2 Composition / Information On Ingredients :

Hazardous components : Para-cumidine
 Synonyms : 4-Aminocumene, 4-Cumidine, Cumidine,
 Para-isopropylaniline, 4-Isopropylaniline
 Chemical formula : $C_9H_{13}N$
 Molecular weight : 135.2
 CAS No. : 99-88-7
 UN No. : 2735
 EINECS No. : 202-797-2
 Hazard symbols : Xn, Corrosive
 Risk phrases : R 20/21/22
 Safety phrases : S 24/25, 36/37/39, 60

3 Hazards Identification :

Potential Health Effects:
 Harmful by inhalation, in contact with skin and if swallowed. May cause eye irritation.
 The toxicological properties of this material have not been fully investigated, though
 absorption into the body leads to formation of methemoglobin, which can further cause
 cyanosis.

4 First Aid Measures :

Remove all contaminated clothing immediately.
 Following skin contact : Wash skin immediately with plenty of water and soap. If skin
 reactions occur, contact a physician.
 Following eye contact: Open the eyelids and rinse for an adequate length of time with
 water. Consult an eye specialist immediately.
 Upon inhalation : Remove victim to fresh air area. If there is difficulty in breathing,
 medical attention should be obtained.
 Upon swallowing : Rinse mouth several times. Ensure that patient drinks plenty of
 water. Seek medical advice.

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5 Fire Fighting Measures :

Fire Extinguishing Media : Dry chemical powder, foam.
Beware of toxic fumes of Nitrogen oxides. Wear respiratory protection equipment.
Do not allow contaminated extinguishing water to enter soil, ground or surface waters.

6 Accidental Release Measures :

Fill into labelled sealable containers.
Use necessary personal protective equipment when handling.

7 Handling & Storage :

Store in a cool, dry, well ventilated area, away from heat.
During processing, ensure sufficient exhaust ventilation in the working area. Vent waste air via suitable separators or scrubbers.

8 Exposure Control / Personal Protection :

Respiratory protection : Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.
Eye protection: Goggles
Wear butyl rubber gloves if contact with product is possible.
Avoid contact with eyes or skin. Do not inhale vapours.

9 Physical And Chemical Properties :

Colour	: Yellow to light brown
Odour	: Characteristic aromatic odour
pH	: Neutral
Boiling Point/range	: 226 – 227 °C at 745 mm Hg.
Melting point	: - 63 °C
Flash Point	: 92 °C (197.60 °F)
Explosion properties	: Data not available
Density	: 0.95 gm/cm ³
Solubility	: Soluble in alcohol, ether, acetone

10 Stability And Reactivity :

Chemically stable. Reacts with oxidising material.
Formation of nitrogen oxides, carbon monoxide and carbon dioxide in the event of fire.

11 Toxicological Information :

Acute toxicity	: Data not available.
Irritation of the eyes	: Data not available.
Irritation of the skin	: Data not available.
RTECS#	: CAS No. 99-88-7 unlisted.
Carcinogenicity	: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.
Special properties	: Absorption into the body leads to formation of methemoglobin, which can further cause cyanosis.

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12 Ecological Information :

Acute fish toxicity Data not available
The product does not contain any organically bonded halogens, which can lead to AOX values in the waste water.

13 Disposal Considerations :

Examine possibilities for re-utilisation. Package product wastes. Close and label waste containers. Dispose these at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers / packing material is passed on, the recipient must be warned of any possible hazard that may be caused by the residues.

14 Transport Information :

UN No. : 2735 Hazard Class : 8 Packing Group : III
Proper shipping name : Amines, liquid, corrosive, N.O.S.
Declaration for land shipment :
Declaration for sea shipment :
Declaration for air shipment (IATA) :
Packing instruction, passenger : 309 ; Quantity : 5 litre
Packing instruction, cargo : 310 ; Quantity : 60 litre

15 Regulatory Information :

Symbols : Xn Harmful
 Corrosive
Contains para cumidine
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
S24/25 : Avoid contact with eyes and skin.
S 36/37/39 : Wear suitable protective clothing, gloves and eye / face protection.
S 60 : This material and its container must be disposed off as hazardous waste.

16 Other Information:

DISCLAIMER : Deepak Nitrite Ltd. provides the information contained herein in good faith but makes no representation as to comprehensiveness or accuracy. This document is only as a guide to a properly trained person, for the appropriate precautions and handling of the material. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. The data does not signify any warranty with regard to the product's properties.