

# Deepak Nitrite Limited

## Material Safety Data Sheet

Demap

### 1 Product And Company Identification :

Product Name : **Demap**  
 CAS No. : **91-68-9**  
 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 : Demap  
 Synonyms : N,N-Diethyl m-amino phenol, 3-diethylaminophenol  
 Chemical formula :  $C_{10}H_{15}NO$  (Chemical family: Substituted phenol)  
 Molecular weight : 165.24  
 CAS No. : 91-68-9  
 UN No. : 3143  
 EINECS No. : 202-090-9  
 Hazard symbols : T  
 Risk phrases : R25 ( Toxic if swallowed )  
 Safety phrases :

### 3 Hazards Identification :

Potential Health Effects:

**Eyes:** May cause eye irritation.

**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Prolonged exposure can cause damage to the eyes, severe irritation or burns.

**Emergency Overview:** Caution: Mutagen. The toxicological properties of this material have not been fully investigated. Harmful if swallowed. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

### 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 soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**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. Wash out mouth with water.

**Inhalation:** Remove from exposure to fresh air immediately. If breathing is difficult , give oxygen. Get medical aid. Do Not use mouth to mouth respiration. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to Physician:** Treat symptomatically and supportively.

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### 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.

**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

### 6 Accidental Release Measures :

**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. Clean up spills immediately, observing precautions in the protective equipment section. Avoid generating dusty conditions. Provide ventilation.

### 7 Handling & Storage :

**Handling :** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Do not breathe dust, vapour, mist or gas. Keep containers tightly closed. Avoid ingestion and inhalation. Use only in a chemical fumes hood.

**Storage:** Keep containers closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### 8 Exposure Control / Personal Protection :

**OSHA Vacated PELs:** No OSHA Vacated PELs are listed for this chemical

#### Personal Protective Equipment

**Eyes:** Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR-1910.33 or European Standard EN 166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR-1910.134 and ANSI 288.2 requirements or European Standard EN 149 must be followed whenever work place conditions warrant a respirator's use.

### 9 Physical And Chemical Properties :

Colour	:	Reddish Powder, fused cast form or white crystals
Odour	:	Malodorous
pH	:	
Boiling Point/range	:	170 °C at 15mm of Hg.
Melting point	:	70 – 73 °C
Flash Point	:	141 °C (285.8 °F)
Explosion properties	:	Autoignition Temperature: 390 °C DIN 51794
Density	:	Not available (BASF: 600 Kg / m <sup>3</sup> )
Solubility	:	Insoluble in Ligroin, Insoluble in water (<0.1g/100ml at 20.5 °C), soluble in Toluene, alcohol, caustic soda, ether
NFPA Rating	:	(estimated) Health:2, Flammability: 1, Reactivity: 0

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### 10 Stability And Reactivity :

**Chemical Stability:** Stable under normal temperature and pressure

**Conditions to avoid:** Incompatible materials, dust generation, excess heat.

**Incompatibility with other materials:** Strong oxidizing agents, strong bases

**Hazardous Decomposition Products :** Nitrogen oxides, Carbon Monoxide,  
Carbon Dioxide, Irritating and toxic fumes

**Hazardous Polymerisation:** Has not been reported

### 11 Toxicological Information :

Acute toxicity	: LD <sub>50</sub> / LC <sub>50</sub> : LD <sub>50</sub> ,Rat,Oral- 2.4 gm/kg
Irritation of the eyes	: Rabbit, slightly irritating ( Ref: MSDS-BASF)
Irritation of the skin	: Rabbit skin- slightly irritating
RTECS#	: CAS # 91-68-9: SL0550500
Carcinogenicity	: Carcinogenicity: Not listed by ACGIH,IARC,NIOSH,NTP,or OSHA.
Special properties	: Mutagenicity: Microsomal Mutagenicity: Salmonella typhimurium= 1ug / plate. Other studies: The hazards associated with diethylamine may be seen in this product.

### 12 Ecological nformation :

Acute fish toxicity	
Eco-toxicity	: Not available
Environmental Fate	: Data not available
Other	: Data not available

### 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 parts261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14 Transport Information :

UN No. : 3143	Hazard Class : 6.1	Packing Group : III
Proper shipping name : Dye Intermediate toxic, solid, N.O.S ( Diethylmataminophenol)		
Declaration for land shipment :		
Declaration for sea shipment :		
Declaration for air shipment (IATA) :		
Packing instruction, passenger :		
Packing instruction, cargo :		

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### 15 Regulatory Information :

Symbols : T

US FEDERAL

**TSCA** : Listed on the TSCA inventory

**Health & Safety Reporting List**: Name of the chemical is on the list

**Chemical Test Rules**: Not under the Chemical test Rule.

**Section 12b**: Not listed under TSCA Section 12b.

**TSCA Significant New Use Rule**: Not under TSCA SNUR

**SARA**

Section 302( RQ ): Does not have a RQ.

Section 302 (TPQ): Does not have a TPQ

Section 313: Not reported under section 313.

**Clean Air Act**: This does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. It does not contain any Class 2 Ozone depletors.

**Clean Water Act**: This is not listed as Hazardous substance under the CWA. It is not listed as primary pollutant under CWA. Not listed as Toxic pollutant under CWA.

**OSHA**: It is not considered as highly hazardous by OSHA.

**STATE**: IT is not listed on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: Not listed.

**European / International Regulations:**

European Labeling in accordance with EC Directives:

**Hazard Symbols**: T

**Risk Phrases**: R 25 – Toxic if swallowed.

**Safety Phrases**: S 22 – Do not breathe dust.

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 # 91-68-9:2

**Canada**

Not listed on the DSL / NDSL list. This product has a WHMIS classification of D1B, D2B.

It is not listed on Canada's Ingredient Disclosure List.

**Exposure Limits: TLV: 3 mg/M<sup>3</sup>** (BWC recommendation)

### 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.