

**1 Product And Company Identification :**

Product Name	:	3-Aminobenzotrifluoride
Other/Generic Names	:	3-Aminobenzotrifluoride,3-(Trifluoromethyl)aniline, $\alpha,\alpha,\alpha$ -Trifluoro-m-toluidine, 3-(Trifluoromethyl)benzenamine, 1-Amino-3-(trifluoromethyl)benzene, m-(Trifluoromethyl)aniline, m-Aminobenzotrifluoride
CAS No.	:	98-16-8
Product use	:	Agro and Pharma Intermediate
Supplier	:	Deepak Nitrite Ltd. Aaditya-I, National Highway No. 8, Chhani Road, Vadodara - 390 024, India Manufacturing facilities at : Vadodara, Roha, Taloja & Hyderabad. Contact no. : +91-9904406400
For Chemical Emergency	:	Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**2 Hazard Identification :****GHS classification  
(Classification according to  
Regulation (EC) No 1272/2008)**

Health Hazards : 3  
**Flammability:** 4  
**Physical hazards:** 0

**EC classification  
(Classification according to  
Directive 67/548/EEC)****Hazard statement (s)**

H302 Harmful if swallowed.  
H302 + H312 Harmful if swallowed or in contact with  
skin  
H312 Harmful in contact with skin.  
H330 Fatal if inhaled.  
H373 May cause damage to organs through  
prolonged or repeated exposure.

## Deepak Nitrite Limited

<b>T:</b>	R 21/22-38-41-51/53 Harmful in contact with skin and if swallowed. Irritating to skin. Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>N:</b>	S 26-36/37/39-61 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection Avoid release to the environment. Refer to special instructions/ Safety data sheets.

<b>Hazard pictograms</b>	
	
<b>Signal word</b>	Danger

<b>3 Composition / Information On Ingredients :</b>	
<b>Chemical formula</b>	: C7H6F3N
<b>Common Name</b>	: 3-Aminobenzotrifluoride
<b>Synonyms</b>	: 3-(Trifluoromethyl)aniline, $\alpha,\alpha,\alpha$ -Trifluoro-m-toluidine, 3-(Trifluoromethyl)benzenamine, 1-Amino-3-(trifluoromethyl)benzene, m-(Trifluoromethyl)aniline, m-Aminobenzotrifluoride
<b>Molecular weight</b>	: 161.13 g/mol
<b>CAS No.</b>	: 98-16-8
<b>Index No.</b>	: -
<b>UN No.</b>	: 2948
<b>EINECS No.</b>	: 202-643-4

<b>4 First Aid Measures :</b>	
<b>General advice</b> Consult a physician. Show this safety data sheet to the doctor in attendance.	

## Deepak Nitrite Limited

### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### **In case of skin contact**

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

### **In case of eye contact**

Flush eyes with water as a precaution.

### **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## **5 Fire Fighting Measures:**

### **Suitable extinguishing media**

For small (incipient) fires, use media such as "alcohol" foam, dry chemicals or water applied ineffectively. Cool all affected containers with flooding.

### **Special protective equipment for fire-fighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

### **Further information**

Cool closed containers exposed to fire with water spray. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6 Accidental Release Measures :**

### **Personal precautions**

Wear respiratory protection. Avoid breathing vapours, 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). Keep in suitable, closed containers for disposal..

## **7 Handling & Storage :**

## Deepak Nitrite Limited

### 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 buildup of electrostatic charge

### Storage

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. Storage class (TRGS 510): Combustible liquids, toxic

## 8 Exposure Control / Personal Protection :

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves.

#### Eye protection

Face shield and safety glasses

#### Hygiene measures

Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

## 9 Physical And Chemical Properties :

Appearance	: Clear, liquid
Colour	: Light brown
Odour	: Malodorous
pH ( 1% Solution)	: NA
Boiling Point/range	: 187 °C @ 760.00mm Hg
Melting point	: 5.0-6.0 °C
Flash Point	: 87 °C
Autoignition temperature	: No data available
Vapour Pressure	: 1.6 hPa at 20 °C
Density	: 1.29 g/ml at 25 °C
Solubility water	: 5 g/l at 20 °C

## 10 Stability And Reactivity :

## Deepak Nitrite Limited

**Storage stability:**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents

**Possibility of hazardous reactions**

No data available

**Condition to avoid**

Heat, flames and sparks.

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen fluoride

Other decomposition products - No data available

### 11 Toxicological Information :

**Acute toxicity** : LD50 Oral - Rat - 480 mg/kg( $\alpha,\alpha,\alpha$ -Trifluoro-m-toluidine)  
LD50 Dermal - Rabbit - 1,330 mg/kg( $\alpha,\alpha,\alpha$ -Trifluoro-m-toluidine)

**RTECS#** : XU9180000

**Category of danger** : Flammable liquid, Harmful by ingestion.

**Carcinogenicity** 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.

**Storage class** : 6.1-II

**Target organs** : Not Classified

**Potential health effects** : **Inhalation** Harmful if swallowed. May cause irritation of the digestive tract.  
**Ingestion** May be harmful if swallowed.  
**Skin** Causes skin irritation. Harmful if absorbed through the skin..  
**Eyes** Causes eye irritation.

### 12 Ecological Information :

Acute fish toxicity LC<sub>50</sub> : LC50 Danio rerio (zebra fish): 35 mg/l; 96 h  
OECD Test Guideline 203

Acute toxicity to aquatic invertebrates EC<sub>50</sub> : EC50 Daphnia magna (Water flea): 2.7 mg/l; 48 h  
(IUCLID)

**13 Disposal Considerations :**

**Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Packaging**

Dispose of as unused product.

**14 Transport Information :**

**UN No. :** - 2948

**Hazard Class :** - 6.1

**Packing Group :** - II

ADR/RID: 3-TRIFLUOROMETHYLANILINE

IMDG: 3-TRIFLUOROMETHYLANILINE

IATA: 3-Trifluoromethylaniline

**15 Regulatory Information :**

**Safety Information according to GHS**

**Hazard Statement (s)**

H302 Harmful if swallowed.  
H302 + H312 Harmful if swallowed or in contact with skin  
H312 Harmful in contact with skin.  
H330 Fatal if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statement (s)**

Prevention  
P273 Avoid release to the environment.  
P280 Wear eye protection.  
Response  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313 Get medical advice/ attention.

**Signal Word**

Danger

**Hazard Pictogram(s):**



**RTECS#** : XU9180000

**Labeling according to EC directives**

**Hazard symbols** : T+

**Risk phrases** : R 21/22-38-41-51/53  
Harmful in contact with skin and if swallowed. Irritating to skin. Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases** : S26-36/37/39-61  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

**OSHA Hazards**

Not classified.

**SARA 302 Components**

Extremely hazardous substance

**SARA 313 Components**

Not regulated.

**16 Other Information:**

Flammable liquid and vapor. Causes eye, skin irritation. May cause damage to organs through prolonged or repeated exposure. Cough, Shortness of breath, Headache, Nausea, Vomiting, May cause cyanosis., prolonged or repeated exposure  
Flash Point: 87 °C

**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 judgment in determining its appropriateness for a particular purpose. The data does not signify any warranty with regard to the product's properties.