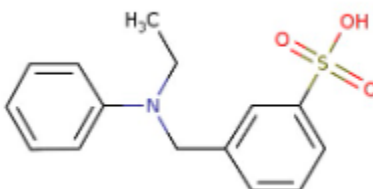


### 1. General Statements

Non-Combustible substance, Hygroscopic. freely soluble in water. Aqueous solution reacts alkaline. Acute or chronic health hazards result from the substance.

### 2. Chemical identification.

Name : N-Ethyl-N-benzylaniline-3'-sulfonic acid  
 CAS number(s) : 101-11-1  
 EC number : 202-916-8  
 Molecular formula : C<sub>15</sub>H<sub>17</sub>NO<sub>3</sub>S  
 Structure :



### 3. Uses and Benefits

α-n-ethynyltoluene-3-sulfonic acid is used as a catalyst, particularly in esterification, condensation, acetylation, and polymerization reactions. It's also employed in the hardening of furan resins used in sand casting, a process in the foundry industry. Additionally, it finds application in plasticizers, such as DEP, DOP, and DBP, serving as an esterification catalyst. It is also used in dyes.

### 4. Physical / chemical properties

Property	Value
Physical state :	Solid
Colour :	colourless
Odour :	Odourless
pH :	NDA
Melting point :	NDA
Boiling point :	NDA
Flash point :	NDA
Density :	1.281 g/cm <sup>3</sup>
Solubility in Water:	NDA

## GPS Safety Summary

### N-Ethyl-N-benzylaniline-3'-sulfonic acid

CL-4:PUBLIC

#### 5. Health Effects

Effect Assessment	Result
Acute toxicity (Oral / inhalation / dermal )	NA
Irritation / corrosion Skin / eye/ respiratory tract	NA
Respiratory or skin sensitisation	NA
Toxicity after repeated exposure Oral / inhalation / dermal	NA
Genotoxicity / Mutagenicity	NA
Carcinogenicity	NA
Toxicity for reproduction	NA

#### 6. Environmental Effects

Effect Assessment	Result
Aquatic toxicity	NO
Fate and behavior	Result
Persistence and degradability	Not rapidly degradable
Bioaccumulative potential	No additional data available

#### 7. Exposure

##### Human health

The exposure must be kept as minimum as possible by the use of appropriate risk management measures suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers. Careless handling or accidental spillage of the chemical could result in exposure to potentially hazardous levels of chemicals. Industrial workers should ensure that they follow the advice found in the extended safety data sheet (SDS).

##### Environment:

Care should be taken to avoid releases of these products to sewage, drainage systems and water bodies. Spillage shall be quickly collected in the event of an accidental release. More information about release measures and accidental release measures are available in the extended safety data sheet.

## GPS Safety Summary

### N-Ethyl-N-benzylaniline-3'-sulfonic acid

CL-4:PUBLIC

## 8. Risk Management Recommendations

### Human health measures

Organizational	A basic standard of occupational hygiene is recommended. Ensure operatives are well informed of the hazards and trained to minimise exposures. Ensure regular inspection and maintenance of equipment and machines. Handle and store according to the indications of the Safety Data Sheet.	
Protection	Eye protection:	Safety glasses
	Skin and body protection:	Wear suitable protective clothing
	Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Engineering Controls	Ensure good ventilation of the work station.	
Environment protective measures		
Avoid release to the environment.		

## 9. First-aid measures

**First-aid measures after inhalation:** Remove the person to fresh air and keep them comfortable for breathing.

**First-aid measures after skin contact:** : Wash skin with plenty of water.

**First-aid measures after eye contact:** Rinse eyes with water as a precaution.

**First-aid measures after ingestion :** Call a poison center or a doctor if you feel unwell.

## 10. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media:** Water spray. Dry powder. Foam.

**Unsuitable extinguishing media :** Do not use a heavy water stream.

### Special hazards arising from the substance or mixture

**Hazardous decomposition products in case of fire:** Toxic fumes may be released.

### Advice for firefighters

**Precautionary measures fire:** Eliminate all ignition sources if safe to do so. Keep the container closed when not in use. Keep cool. Protect from sunlight. Stop leak if safe to do so.

## GPS Safety Summary

### N-Ethyl-N-benzylaniline-3'-sulfonic acid

CL-4:PUBLIC

---

**Fire fighting instructions:** Fight fire from a safe distance and protected location. Do not enter a fire area without proper protective equipment, including respiratory protection.

#### 11. Accidental release measures

**Protective equipment :** Gloves. Protective clothing. Protective goggles. Wear recommended personal protective equipment.

**Environmental precautions:** Avoid release to the environment.

**For containment :** Using a clean shovel, put the material in a dry container and cover without compressing it.

#### 12. Disposal consideration

**Regional legislation (waste) :** Disposal must be done according to official regulations.

**Waste treatment methods :** Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Sewage disposal recommendations :** Disposal must be done according to official regulations.

#### 13. Handling and storage

**Precautions for safe handling:** Ensure good ventilation of the work station. Wear personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 14. Classification and Labeling

Not classified

#### 15. Conclusion

N-Ethyl-N-benzylaniline-3'-sulfonic acid is colourless solid and it does not show any hazardous class. The exposure must be kept as minimum as possible by the use of appropriate risk management measures as suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers.

#### 16. Contact Information within company

##### **Manufacturer**

Aarti Industries Limited

Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund (West)

400080 Mumbai - India

## **GPS Safety Summary**

### **N-Ethyl-N-benzylaniline-3'-sulfonic acid**

**CL-4:PUBLIC**

---

T +91-22-6797-6666 - F +91-22-2565 3234

info@aarti-industries.com - www.aarti-industries.com

This GPS safety summary is intended to give general information about the health, safety and environment and not intended to provide in-depth details. To obtain the most accurate and current information, consult the appropriate Safety Data Sheet (SDS) prior to use of the material named herein.