Alpha Chemika
ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION
MATERIAL SAFETY DATA SHEET
MSDS
Savgan Heights ; 102 ,B Wing ; R.T.O. Lane ,Andheri (West) Mumbai - 400053 , INDIA

Section 1 - Chemical Product and Company Identification

Product Name : ETHYL ANILINE 98%

Synonyms: monoethylaniline, n-ethylaniline
CAS No.: 103-69-5
Molecular Weight: 121.18
Chemical Formula: C_8H_{11}

Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Ethyl Aniline	103-69-5	98 - 100%	Yes

Section 3 - Hazardous Identification

Risk advice to man and the environment
Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.

Section 4 - First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
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
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Fire Fighting Measures

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

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.
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.
Light sensitive.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpo combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of 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
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
Eye protection
Safety glasses
Skin and body protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical and Chemical Properties

Appearance Form
clear, liquid Colour
light yellow **Safety**
data
pH no data available
Melting point -63 °C
Boiling point 205 °C at 1.013 hPa
92 - 93 °C at 15 hPa
Flash point 85 °C - closed cup
Ignition temperature no data available
Lower explosion limit 1,6 %(V)
Upper explosion limit 9,5 %(V)
Vapour pressure 0,7 hPa at 38 °C
0,3 hPa at 25 °C
Density 0,960 g/cm3
Water solubility no data available
Relative vapour
density
4,18
- (Air = 1.0)

Section 10 - Stability and Reactivity

Storage stability
Stable under recommended storage conditions.
Conditions to avoid
Air sensitive.
Materials to avoid
Strong oxidizing agents, Carbon dioxide (CO2)
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Section 11 - Toxicological Information

Acute toxicity
LC50 Inhalation - rat - 4 h - > 1.130 mg/m3
LD50 Dermal - rat - 4.700 mg/kg
Irritation and corrosion
no data available
Sensitisation
no data available
Chronic exposure
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.
Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Potential Health Effects
Inhalation Toxic if inhaled. May cause respiratory tract irritation.
Skin Toxic if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion Toxic if swallowed.
Additional Information
RTECS: BX9780000

Section 12 - Ecological Information

Elimination information (persistence and degradability)
no data available
Ecotoxicity effects
Toxicity to fish LC50 - Oryzias latipes - 33 mg/l - 48 h
Toxicity to daphnia
and other aquatic
invertebrates.
LC50 - Daphnia magna (Water flea) - 0,42 mg/l - 48 h
Toxicity to algae Growth inhibition EC50 - Chlorella pyrenoidosa - 22 mg/l - 96 h
Further information on ecology
no data available

Section 13 - Disposal Considerations

Product
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging
Dispose of as unused product.

Section 14 - Transport Information

ADR/RID
UN-Number: 2272 Class: 6.1 Packing group: III
Proper shipping name: N-ETHYLANILINE
IMDG
UN-Number: 2272 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: N-ETHYLANILINE
Marine pollutant: No
IATA
UN-Number: 2272 Class: 6.1 Packing group: III
Proper shipping name: N-Ethylaniline

Section 15 - Regulatory Information

Labelling according to EC Directives
EC Label
Hazard symbols
T Toxic
R-phrase(s)
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R33 Danger of cumulative effects.
S-phrase(s)
S28 After contact with skin, wash immediately with plenty of .?.
S37 Wear suitable gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16 - Additional Information

Not Regulated