



MATERIAL SAFETY DATA SHEETS

38

Aniline 2,4,6-trimethyl

1. CHEMICAL IDENTITY

Chemical Name : Aniline 2,4,6-trimethyl

Chemical Classification: Toxic

Trade Name :

Synonyms: 2-Aminomesitylene, Mesidin, Mesitylamine, Benzenamine, 2,4,6-Trimethyl-

Formula : C₉H₁₃N

CAS No: 88-05-1

UN No: 2810

Regulated Identification

Shipping Name :

Hazchem Code : 2X

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No :

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
1 Aniline 2,4,6-trimethyl	88-05-1	3	
2		4	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: 233

Physical State: Liquid

Appearance: Rose-coloured liquid

Melting Pt °C: -5

Vapour Pressure @ 35°C mmHg: 0.06 (25 °C)

Odour: Amine like

Vapour Density(Air =1):

Solubility in water at 30°C g/100ml: Insoluble

Others:

Specific Gravity (Water =1): 0.96 g/cm³

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability :

LEL:

Flash Point °C in OC:

TDG Flammability:

UEL:

Flash Point °C in CC: 96

Autoignition Temperature °C :

Explosion sensitivity to impact:

Explosion sensitivity to static Electricity:

Hazardous Combustion Products : On combustion, may emit toxic fumes of carbon monoxide (CO).

Hazardous Polymerization : Will not occur.

Combustible Liquid:

Explosive Material:

Corrosive Material

Flammable Material:

Oxidiser :

Others:

Pyrophoric Material:

Organic Peroxide :

4. REACTIVITY DATA

Chemical Stability : Product is considered stable under normal handling conditions.

Incompatibility with other material : Strong oxidizing agents.

Reactivity :

Hazardous Reaction Products : Nitrogen oxides, carbon monoxide, carbon dioxide.

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, skin, eyes and ingestion

Effects of Exposure / Symptoms:

Inhalation: Toxic if inhaled. Skin: Causes moderate skin irritation. Absorption into the body may cause cyanosis. Toxic in contact with skin. Eyes: Causes moderate eye irritation. Ingestion: Poison by ingestion.

Emergency Treatment :

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Ingestion: Get medical aid immediately. Wash mouth out with water.

LD50 (oral-rat) mg/kg: 743 mg/kg

STEL:

LC50 (rat) mg/kg: 290 mg/m³/2 hr
(Mouse)

Odour Threshold:

**Permissible
Exposure Limit:**

TLV (ACGIH) :

NFPA Hazard	Health	Flammability	Reactivity	Special
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Signals

6. PREVENTIVE MEASURES

Personal Protective Equipment : Wear appropriate protective gloves to prevent skin exposure. Wear appropriate protective clothing to prevent skin exposure.

Handling : Do not breathe dust, vapour, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage : Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

Precautions :

7. EMERGENCY / FIRST AID MEASURES

FIRE:

Fire Extinguishing Media : Foam.Dry chemical powder.BCF (where regulations permit).Carbon dioxide.Water spray or fog - Large fires only.

Special Procedure : Use water delivered as a fine spray to control the fire and cool adjacent area.Do not approach containers suspected to be hot.Cool fire exposed containers with water spray from a protected location.If safe to do so, remove containers from path of fire.

Unusual Hazards : On decomposition it emits toxic fumes of nitrogen oxides

EXPOSURE: First Aid Measures:

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Antidotes / Dosages:

SPILLS :

Steps To Be Taken : Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container.

Waste Disposal Method:

8. ADDITIONAL INFORMATION / REFERENCES**9. MANUFACTURERS / SUPPLIERS DATA**

NAME OF FIRM :	Contact person
MAILING ADDRESS :	in Emergency :
TELEPHONE / TELEX NOS :	Local Bodies involved :
TELEGRAPHIC ADDRESS :	Standard Packing :
OTHERS :	Trem Card Details / Ref :

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