

CAS No: 33089-61-1  
 RTECS No: ZF0480000  
 EC No: 612-086-00-2

N-Methylbis(2,4-xylyliminomethyl)amine  
 N,N'-(Methyliminodimethylidyne)bis-2,4-xylidine  
 $C_{19}H_{23}N_3$   
 Molecular mass: 293.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Liquid formulations containing organic solvents may be flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Water spray, foam, powder, carbon dioxide.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>STRICT HYGIENE! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!</b>	
<b>Inhalation</b>	See Ingestion.	Ventilation (not if powder).	Fresh air, rest. Refer for medical attention.
<b>Skin</b>	MAY BE ABSORBED! Transient skin flushing. (Further see Inhalation).	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
<b>Eyes</b>		Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	Slow heart beat. Low blood pressure. Sedation. Low body temperature.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention. See Notes.

**SPILLAGE DISPOSAL**

Do NOT wash away into sewer. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: P2 filter respirator for harmful particles.

**PACKAGING & LABELLING**

Xn Symbol  
 N Symbol  
 R: 22-43-48/22-50/53  
 S: (2-)22-24-36/37-60-61

**EMERGENCY RESPONSE****SAFE STORAGE**

Provision to contain effluent from fire extinguishing.

**IMPORTANT DATA**

**Physical State; Appearance**  
COLOURLESS CRYSTALS.

**Chemical dangers**

The substance decomposes on burning producing toxic fumes including nitrogen oxides.

**Occupational exposure limits**

TLV not established.

**Routes of exposure**

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

**Inhalation risk**

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying or when dispersed, especially if powdered.

**Effects of short-term exposure**

The substance may cause effects on the central nervous system.

**Effects of long-term or repeated exposure**

The substance may have effects on the central nervous system and liver.

**PHYSICAL PROPERTIES**

Melting point: 86/C  
Relative density (water = 1): 1.1

Solubility in water: none  
Vapour pressure, Pa at 20/C: negligible

**ENVIRONMENTAL DATA**

This substance may be hazardous to the environment; special attention should be given to fish.

**NOTES**

If the pesticide is present under the form of a formulation containing hydrocarbon solvents, vomiting may not be induced.

Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.

Carrier solvents used in commercial formulations may change physical and toxicological properties.

If the substance is formulated with solvents also consult the ICSCs of these materials.

Acarac, Acadrex, Azodieno, Baam, Bumetran, Danicut, Ectodex, Edrizar, Istanbul, Maitac, Mitac, Ovasyn, Tactic, Triatix, Triatox, Topline and Tudy are trade names.

Card has been partly updated in October 2005. See sections Occupational Exposure Limits, EU classification.

**ADDITIONAL INFORMATION****LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information