

CAS No: 9003-53-6
RTECS No: WL6475000

Benzene, ethenyl-, homopolymer
Ethenylbenzene, homopolymer
(C₈H₈)_x
Molecular mass: 10 000-300 000

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION			

EXPOSURE	PREVENT DISPERSION OF DUST!
Inhalation	Avoid inhalation of dust.
Skin	
Eyes	Safety goggles, or eye protection in combination with breathing protection if powder.
Ingestion	

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Ventilation. Remove all ignition sources. Sweep spilled substance into labelled and suitable containers. (Extra personal protection: P1 filter respirator for inert particles.)	

EMERGENCY RESPONSE	STORAGE

IMPORTANT DATA

Physical State; Appearance

COLOURLESS SOLID IN VARIOUS FORMS

Chemical dangers

The substance decomposes on heating above 300°C producing toxic fumes including styrene. The substance decomposes on burning producing irritating fumes. Reacts with strong oxidants.

Occupational exposure limits

TLV not established.
MAK not established.

Inhalation risk

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed, especially if powdered.

Effects of short-term exposure

May cause mechanical irritation.

PHYSICAL PROPERTIES

Melting point: 240°C

Relative density (water = 1): 1.04-1.13

Flash point: 345-360°C

Auto-ignition temperature: 427°C

ENVIRONMENTAL DATA

NOTES

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