

3,3'DIAMINOBENZIDINE TETRAHYDROCHLORIDE

Synonyms: 3,3',4,4'-Biphenyltetramine tetrahydrochloride; 3,3',4,4'- Tetraaminobiphenyl tetrahydrochloride.

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.	Incompatible materials, incompatible materials, light, dust generation, moisture, excess heat, strong oxidants.	Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
EXPLOSION			
EXPOSURE			
•INHALATION	Causes respiratory tract irritation. Can produce delayed pulmonary edema.	Ventilation or local exhaust.	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
•SKIN	Causes skin irritation.	Wear appropriate protective gloves to prevent skin exposure.	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
•EYES	Causes eye irritation. May cause chemical conjunctivitis.	Wear appropriate protective eyeglasses or chemical safety goggles.	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
•INGESTION	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.	Do not eat, drink, or smoke during work.	Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Chemical Dangers: The substance decomposes on burning producing hydrogen chloride, nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Physical Dangers: Incompatible materials, light, dust generation, moisture, excess heat, strong oxidants.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep refrigerated. (Store below 4°C/39°F.)

Handling, Containment Devices, and PPE: Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Use nitrile

chemical resistant gloves(if heavy exposure anticipated contact Safety and Health for other glove options) and chemical goggles.

Waste Disposal: Collect and store in the appropriate container labeled with the following "Hazardous Waste - 3,3'-Diaminobenzidine Tetrahydrochloride." Call Safety and Health at x5069 on the Health Science Campus and x3600 on the Main Campus for pick up.

Emergency Spill Procedures and Decontamination: Call x77 on the Health Science Campus and x2600 for Campus Police on the Main Campus.