

CAS No: 119-90-4
RTECS No: DD0875000
UN No: 2431
EC No: 612-036-00-X

C.I. Disperse Black 6
3,3'-Dimethoxybenzidine
3,3'-Dianisidine
3,3'-Dimethoxy-4,4'-diaminobiphenyl
 $C_{14}H_{16}N_2O_2$
Molecular mass: 244.3

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.	Water spray. Dry powder. Carbon dioxide.
EXPLOSION			

EXPOSURE	See EFFECTS OF LONG-TERM OR REPEATED EXPOSURE.	AVOID ALL CONTACT!	
Inhalation	Cough.	Ventilation (not if powder), local exhaust, or breathing protection.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	Face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: P3 filter respirator for toxic particles. Chemical protection suit. Vacuum spilled material.	T Symbol R: 45-22 S: 53-45 Note: E UN Hazard Class: 6.1 UN Pack Group: III Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-61S2431 or 61GT1-III NFPA Code: H-; F1; R0	Separated from oxidants and food and feedstuffs. Well closed.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS CRYSTALS

Physical dangers

The vapour is heavier than air and may travel along the ground; distant ignition possible.

Chemical dangers

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

Occupational exposure limits

 MAK: Carcinogen category: 2; (DFG 2004).
TLV not established.

Routes of exposure

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

Inhalation risk

A harmful concentration of airborne particles can be reached quickly on spraying or when dispersed, especially if powdered.

Effects of long-term or repeated exposure

This substance is probably carcinogenic to humans.

PHYSICAL PROPERTIES

Melting point: 137.5/C

Solubility in water, g/100 ml at 25/C: 0.006

Vapour pressure, Pa at /C: negligible

Flash point: 206/C c.c.

Octanol/water partition coefficient as log Pow: 1.81

ENVIRONMENTAL DATA

NOTES

Do NOT take working clothes home.

Depending on the degree of exposure, periodic medical examination is suggested.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible