

AERBIO INC.
320 North Walnut
Bloomington, IN 47404

Telephone: 812.334.1540

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 7/1/96
Product Name: o-Dianisidine dihydrochloride
Common Name: Fast Blue B Base DiHCl
3,3'-Dimethoxy-4,4'-diamino biphenyl DiHCl
Chemical Formula: C₁₄H₁₈O₂N₂Cl₂
CAS No.: 20325-40-0

SECTION 2: PHYSICAL DATA

Physical Data:

Appearance and Odor:	White to grayish powder, aromatic odor.
Boiling point:	N/A
Vapor Pressure (mmHg):	N/A
Specific Gravity (Water=1):	1.07
Solubility in water:	Moderate
Melting Point:	136°C (o-Dianisidine Base)
Volatility:	N/A
Vapor Density:	N/A

SECTION 3: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	N/A
Flammable limit:	N/A
Extinguishing Media:	Water, CO ₂ , Foam
Fire Fighting Procedures:	If exposure to fume is likely, provide respiratory protection specified in Section 8.
Unusual Fire and Explosion Hazards:	If product is exposed to fire or intense heat, toxic fumes may be generated.

SECTION 4: REACTIVITY DATA

Reactivity Data:

Stable Unstable

Conditions to Avoid:	None
Incompatibilities:	strong oxidizing agents
Hazardous Decomposition or byproducts:	Oxides of nitrogen, hydrogen chloride
Hazardous Polymerization:	Will not occur

SECTION 5: HEALTH HAZARD DATA

Threshold Limit Value (TLV):	Not established
Permissible Exposure Limit:	Not established
Toxicity:	Cancer-Suspect Agent (Positive in animals, but no epidemiological data is established). Toxic if ingested absorbed by skin contact or if inhaled. Cause skin and eye irritation. Avoid all contact.
Oral LD50 (rat):	1,920 mg/Kg as o-Dianisidine base

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SECTION 6: SPILLAGE AND DISPOSAL PROCEDURES

First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

Spillage: Suck up the product with a vacuum cleaner. Then wash it out with 3-4% Sodium Hypochlorite solution. Use this product which is sucked up with a vacuum cleaner as it is, unless it has been contaminated.

Disposal: Reduce the product to a slurry form. Decompose the slurry with 3-4% Sodium Hypochlorite solution (Cl_2 mole ratio X 15), then dispose of it after it has been treated with active mud, or dispose of in accordance with Federal State and local Environmental regulations.

SECTION 7: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Store the container at prescribed place after its cover is tightened. Avoid high temperature.

Other Precautions: Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash clothing every day. Take hot shower after work using plenty of soap.

SECTION 8: SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust required.

Eye Protection: Safety glasses, chemical goggles.

Protective Gloves: Butyl rubber gloves.

Respiratory Protection: Approved respirator.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or suitability for a particular application.