

**EMS CATALOG NO: 11200**  
**EMS PRODUCT: Azure B**  
**DATE: 10/10/2008**  
**PAGE NUMBER: One of 4**

**MATERIAL SAFETY DATA SHEET**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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FOR PRODUCT AND SALES INFORMATION

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CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

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PRODUCT IDENTIFICATION

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PRODUCT NAME: **Azure B**, for Microscopy

CAS NUMBER: 531-55-5

MF: C<sub>15</sub>H<sub>16</sub>CLN<sub>3</sub>S

EC NO: 208-511-2

SYNONYMS:

Azure B, Azur I, C.I. 52010 3-(Dimethylamino)-7-(Methylimino)  
-3H-Phenothiazine Hydrochloride 3-(Dimethylamino)-7-  
(Methylamino)-Phenothiazin-5-IUM Chloride 3-Methylamino-7-  
Dimethylamino phenzathonium Chloride Methylene Azure B Modr  
Kresylova BB (Czech) Trimethylthionine Chloride

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## HAZARDS IDENTIFICATION

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LABEL PRECAUTIONARY STATEMENTS: Caution - Avoid contact and inhalation.

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## FIRST AID MEASURES

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In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In case of contact, immediately wash skin with soap and copious amounts of water.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

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## FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

### SPECIAL FIREFIGHTING

PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE & EXPLOSIONS HAZARDS: Emits toxic fumes under fire conditions.

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## ACCIDENTAL RELEASE MEASURES

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### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

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Chemical safety goggles.  
Compatible chemical-resistant gloves.  
NIOSH/MSHA-approved respirator.  
Safety shower and eye bath.  
Mechanical exhaust required.  
Avoid inhalation.  
Avoid contact with eyes, skin and clothing.  
Avoid prolonged or repeated exposure.  
Wash thoroughly after handling.  
Keep tightly closed.  
Store in a cool dry place.

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## PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR:      Dark-green powder

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## STABILITY AND REACTIVITY

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INCOMPATIBILITIES:      Strong oxidizing agents.

HAZARDOUS COMBUSTION/DECOMPOSITION PRODUCTS:

TOXIC FUMES OF:

Carbon monoxide, carbon dioxide. Nitrogen oxides. Sulfur oxides. Hydrogen chloride gas.

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## TOXICOLOGICAL INFORMATION

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ACUTE EFFECTS:

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS NO: SO5550000 - 3H-PHENOTHIAZINE, 3-(DIMETHYLAMINO)-7-METHYLIMINO)-, HYDROCHLORIDE

TOXICITY DATA: IVN-MUS LD50:65 mg/kg TXAP A9 44,225,78

Only selected registry of toxic effects of chemical substances (RTECS). Data is presented here. See actual entry in RTECS for complete information.

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#### DISPOSAL CONSIDERATIONS

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Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local environmental regulations.

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#### REGULATORY INFORMATION

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#### REVIEWS, STANDARDS, AND REGULATIONS:

OEL=MAK

NOHS 1974: HZD T1407; NIS 2; TNF 150; NOS 2; TNE 664 NOES 1983:

HZD T1407; NIS 2; TNF 101; NOS 2; TNE 3055; TFE 2122