

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL IDENTIFICATION

PRODUCT NAME: 5-BROMO-4-CHLORO-3-INDOLYL PHOSPHATE, P-TOLUIDINE SALT
COMMON NAME: [X-PHOS], [BCIP], P-TOLUIDINE SALT
RPI CATALOG #: B74100
SUPPLIER'S NAME: Research Products International Corp.
SUPPLIERS ADDRESS: 410 N Business Center Drive
Mount Prospect, IL 60056
EMERGENCY CONTACT: 1-800-424-9300
OTHER INFORMATION: 847-635-7330

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS #: 6578-06-9
EC NO: 229-506-1

SECTION 3 - HAZARDS IDENTIFICATION

Label precautionary statements: Irritant. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

SECTION 4- FIRST-AID MEASURES

If swallowed, wash out mouth with water provided person is conscious. Call a physician. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. In case of contact, immediately wash skin with soap and copious amounts of water. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special fire fighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazards: emits toxic fumes under fire conditions.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wear disposable coveralls and discard them after use. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Evacuate area.

SECTION 7 - HANDLING AND STORAGE

Refer to section 8.

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Use only in a chemical fume hood. Safety shower and eye bath. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. NIOSH/MSHA-approved respirator in non ventilated areas and/or for exposure above the ACGIH TLV. Compatible chemical-resistant gloves. Chemical safety goggles. Keep tightly closed. Store in a cool dry place.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Solid.

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Incompatibilities: Strong oxidizing agents.

Hazardous combustion or decomposition products: Carbon monoxide, carbon dioxide.

Hazardous polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects: May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. Material may be irritating to mucous membranes and upper Respiratory tract. May be harmful if inhaled. May be harmful if swallowed. Warning: intolerance for alcohol can occur up to 4 days after Dimethylformamide exposure. N,n-dimethylformamide is considered to be a potent liver toxin. Exposure can cause: Stomach pains, vomiting, diarrhea. Chronic effects: This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP OR EPA classification.

Target organ(s): Liver, Kidneys, Cardiovascular system, Blood, Eyes, Heart, Nerves, Pancreas, G.I. system; May cause congenital malformation in the fetus.

SECTION 12 - ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 - DISPOSAL CONSIDERATIONS -

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

SECTION 14- - TRANSPORT INFORMATION

Non regulated.

SECTION 15 - REGULATORY INFORMATION

European information: Irritant. R 36/37/38, Irritating to eyes, respiratory system and skin. S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. U.S. Information: These products are subject to SARA section 313 reporting requirements.

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Research Products International Corp. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.