MATERIAL SAFETY DATA SHEET

SECTION I NAME
Phenylthiourea

SECTION II INGREDIENTS OF MIXTURES
Phenylthiourea 100% None established.

SECTION III PHYSICAL DATA
- Melting Point (°F): 154°C (309°F)
- Boiling Point (°F): No data available.
- Vapor Pressure (mm Hg): Negligible as solid.
- Vapor Density (Air=1): Non-volatile.
- Solubility in Water: Very slight.
- Appearance & Odor: White to gray fine crystals; slight aromatic odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA
- Flash Point (Method Used): Non-flammable.
- Flammable Limits in Air: N/A
- Extinguisher Media: Carbon dioxide (CO₂); dry chemical (ABC); water spray; foam.

SECTION V HEALTH HAZARD DATA
- Threshold Limited Value: None established by (ACGIH 2001).
- RTECS No.: YU1400000
- Toxicty data: Oral-rat LD50: 3 mg/kg.

SECTION VI REACTIVITY DATA
- Stability: Unstable
- Incompatibility (Materials to Avoid): Strong oxidizing materials.

SECTION VII SPILL OR LEAK PROCEDURES
- Steps to be taken in case material is released or spilled: Recover for use if not contaminated. Wear proper safety equipment. Insure proper ventilation. Sweep up and place in a suitable container for proper disposal. Avoid producing dust. Wash spill area with soap and water.

SECTION VIII SPECIAL PROTECTION INFORMATION
- Respiration Protection: None should be needed in normal laboratory handling. If dusty conditions prevail, work in a fume hood or wear a NIOSH/MSHA-approved dust mask or respirator.
- Ventilation: Local Exhaust Recommended. Special No.
- Protective Gloves: Rubber. Eye Protection Chemical safety glasses.

SECTION IX SPECIAL PRECAUTIONS
- Precautions to be Taken in Handling & Storing: Store in a cool, dry place away from oxidizing materials. Avoid contact with skin and eyes. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling.
- Other Precautions: Keep container tightly closed when not in use.

D.O.T. Toxic solids, organic, n.o.s. (Phenylthiourea), 6.1, UN2811, PG I

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20