



# Material Safety Data Sheet

**I - Product Identification:****Product Name:****Anastrozole****Code:** 2274, 2555**Empirical Formula:**C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>**CAS#:** 120511-73-1**Chemical Name:**

2,2'-Dimethyl-2,2'-[5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-phenylene]bis(propiononitrile).

**Uses:**

Antineoplastic; in treatment of breast cancer.

**II - Toxicological Information:****Irritancy:**

May cause eye, skin, respiratory, and digestive tract irritation.

**Adverse Effects:**

Harmful if swallowed, inhaled or absorbed through the skin. Adverse effects are gastrointestinal disturbances including anorexia, nausea and vomiting, and diarrhea; asthenia; hot flushes; dizziness; drowsiness; headache and rash.

**Toxicity Data:**

N/A

**III - Physical Data:****Physical State:**Liquid  Solid  Gas **Description:**

White to off-white crystalline powder.

**Solubility:**

Freely soluble in methanol, acetone, ethanol, and tetrahydrofuran, and very soluble in acetonitrile.

**Other Physical Properties:**

mw: 293.37 mp: 81-82°C

**IV - Fire and Explosion Hazards:****Flammability:**

N/A

**Flash Point:**

N/A

**Extinguishing Media:**

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Fire-Fighting:**

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

**V - Reactivity Data:****Stability:**

Stable.

**Incompatibilities**

Oxidizing agents, dust generation, excess heat.

**Hazardous Decomp. Products:**

Hydrogen chloride, carbon monoxide, carbon dioxide, irritating and toxic fumes and gases.

**Hazardous Polymerization:**

Will not occur.

**VI - Preventive Measures:****Preventive Measures:**

Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

**Personal Protective Equipment:**

Government approved respirator, compatible chemical-resistant gloves and chemical safety goggles.

**Specific Engineering Controls:**

Safety shower and eye bath. Mechanical exhaust required.

**Spills and Leaks:**

Evacuate area. Wear self-contained breathing apparatus, 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 pick up is complete.

**Waste Disposal:**

Contact a licensed professional waste disposal service to dispose of this material. 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. Preserve in well closed, light-resistant containers. Store at room temperature.

**Storage:****VII - First Aid Measures:****Eyes:**

Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.

**Skin:**

Flush with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes.

**Ingestion:**

Call a physician. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:**

Remove to fresh air. If not breathing give A.R. If breathing is difficult, give oxygen.

**NOTE:** If victim is unconscious, never induce vomiting nor give liquids. Place victim in a stable side position and keep warm.**Ecological Data:**

N/A

**Hazardous Ingredients:**

N/A

**References:**

Available on request