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## Material Safety Data Sheet

**Product Name:** Cytochrome P450 2D (CYP2D) Positive Control

**Product Number:** P2DCON

**Manufacturer:**

Detroit R&D, Inc.  
2727 Second Ave. Suite 4113  
Detroit, MI 48201  
Tel: 313.961.1606 Fax: 313.963.7130

**Components:**

Component	Amount
CYP2D protein	100 µg
Tris buffer	100 µL
SDS	2%
B-mercaptoethanol	2.5%
Bromphenol Blue	0.002%

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The above listed components are intended for research use only.

**Hazards:** This product is toxic if swallowed.

**First Aid Measures**

**Ingestion:** Provided the person is conscious, wash out mouth with water. Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel.

**Inhalation:** Remove person to fresh air. If breathing becomes difficult or stops, administer oxygen or artificial respiration via trained personnel. Seek immediate medical attention.

**Skin Contact:** Immediately remove any contaminated clothing and wash affected area extensively with soap and water. If symptoms ensue seek medical attention.

**Eye Contact:** Separate eyelids, remove any contact lenses present and flush eyes with ample amounts of water for a minimum of 10 minutes. Seek medical attention.

**Fire Fighting Measures:** If the sodium azide is heated it has the potential to explode. Toxic fumes may be given off in a fire.

**Accidental Release Measures:** Wear appropriate protective gear. Absorb the spill with an inert material and dispose of according to proper regulations. Ventilate the contaminated area and wash down the area with soap and water.

**Handling and Storage:** Store all components in closed containers and at the correct temperature, as specified by the component label (and spec sheet). Avoid prolonged contact with copper, lead, mercury, and other heavy metals. Wear gloves and avoid physical contact if possible. Wash hands after handling.

**Stability and Reactivity:** Given the correct storage procedures are followed, the components are stable until the listed expiration date.

**Toxicological Information:** Ingestion of the product can lead to irritation of the mucous membranes of the mouth, pharynx, esophagus, and gastrointestinal tract. There exists a danger of skin absorption.

Systemic Effects: cardiovascular disorders, NS disorders, diarrhea, and tiredness

Toxic Effects: kidneys

**Ecological Information:** Azides are toxic for aquatic organisms.

Approximate toxicity for lower animals: 5 mg/L

Approximate toxicity for cold blooded animals: 1 mg/L

**Disposal Information:** Dispose of according to all Federal, State, and Local regulations.

**Transportation Information:** Not restricted for IATA.