Abraxis LLC 54 Steamwhistle Drive Warminster, PA 18974 Phone: (215) 357-3911 FAX: (215) 357-5232

MATERIAL SAFETY DATA SHEET

Section 1. Identification				
PRODUCT NO: 500501		NAME: Penox	Magnetic Particle ELISA	
Section 2. Hazardous Ingredients				
COMPONENT: Penoxsulam 2-(2,2-difluoroethoxy)-6-(trifluoromet N-(5,8-dimethoxy[1,2,4] triazolo [1,5 pyrimidin-2yl))benzenesulfonamide		%WT <1X10 ⁻⁵	EYE:	DSURE LEVELS Might cause temporary eye irritation. Corneal injury is unlikely. orl-rat LD ₅₀ >5,000 mg/kg ihl-rat LC ₅₀ >0.74 mg/L
Sulfuric acid Oil of Vitriol; Hydrogen Sulfate; Sulphuric Acid	7664-93-9	~1	OSHA ACGTI	/PEL 1 mg/m ³ H/TLV 1 mg/m ³
1,2,6-Trihydroxyhexane Hexanetriol-1,2,6, Hexane-1,2,6-Tric	106-69-4 ^{ol}	<5	TXDS:	orl-rat LD ₅₀ 15500 mg/kg ivn-rat LD ₅₀ 5600 mg/kg skn-rbt LD ₅₀ 20 gm/kg
Tris 2-amino-2-(hydroxymethyl)propane- 1,3-diol; trimethylolaminomethane	77-86-1	~3	TXDS:	orl-rat LD ₅₀ 5900 mg/kg ivn-mus LD ₅₀ 1210 mg/kg
Section 3. Physical Data				
BOILING POINT: Not applicable VAPOR PRESSURE (mm Hg Not applicable SPECIFIC GRAVITY (H ₂ O=1 Not applicable SOLUBILITY (WATER): Components are soluble APPEARANCE, ODOR, AND):	T VAF EVA SOL	Not app POR D Not app Not app Not app LUBILI	POINT: plicable ENSITY: plicable ATION RATE: plicable TY (OTHER): a available

Kit containing separate vials of solutions and reagents

FLASH POINT (METHOD)/FLAMMABLE LIMITS (LEL-UEL): Negligible fire and explosion hazard when exposed to heat or flame. EXTINGUISHING MEDIA: Media suitable to extinguish the supporting or surrounding fire. SPECIAL FIRE FIGHTING PROCEDURES: No information available UNUSUAL FIRE OR EXPLOSION HAZARDS: No information available -----Section 5. Reactivity Data -----STABILITY: Stable **INCOMPATIBILITY:** Sulfuric acid will react with water, most common metals, organic materials, strong reducing agents, combustible materials, strong bases, carbonates, sulfides, cyanides, strong oxidizing agents, carbides. 1,2,6-Trihydroxyhexane will react with strong oxidizing agents, acid chlorides, acid anhydrides. No information available on other reagents. HAZARDOUS DECOMPOSITION PRODUCTS: Sulfuric acid can decompose to form oxides of sulfur and hydrogen gas. 1,2,6-Trihydroxyhexane can decompose to form carbon monoxide, carbon dioxide. No information available on other reagents. HAZARDOUS POLYMERIZATION: Will not occur ------ Section 6. Health Hazards ------ACUTE EFFECTS: **Ingestion.** Sulfuric acid is corrosive and may cause severe burning pain in the mouth, throat, and abdomen followed by vomiting and diarrhea. Asphyxia may occur from swelling of the throat. Perforation of the esophagus and stomach may occur.

------ Section 4. Fire and Explosion Hazard Data-------

Skin and eye contact. Eye exposure to concentrated sulfuric acid solution may cause severe damage, often leading to blindness. Dilute solutions produce more transient effects from which recovery may be complete. Exposure to the mist may cause eye irritation and lacrimation. Skin contact with sulfuric acid may cause severe irritation and pain, burns, and vesiculation.

The toxicological properties of the kit components have not been fully defined. Contact may cause irritation to eyes, skin, and mucous membranes. May cause irritation if inhaled or ingested. Limit exposure to material. See Section 2 for exposure limits.

FIRST AID INFORMATION:

Remove from exposure. Flush from skin or eyes with large amounts of water. Eye lids may be occasionally lifted, until no evidence of chemical remains. If irritation is evident or if ingested or inhaled, seek prompt medical attention. If sulfuric acid is ingested, do NOT induce vomiting.

----- Section 7. Spill and Disposal Information ------

SPILLS:

Wear appropriate personal protective equipment and clothing. Contain spill and collect in suitable waste container. Avoid contact of materials with skin or eyes. Use adequate ventilation.

WASTE DISPOSAL:

Dispose of material in accordance with applicable local, state and federal regulations.

-----Section 8. Special Protection Information -----

RESPIRATORY PROTECTION:

A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH and appropriate to hazard.

VENTILATIÓN:

Mechanical (general) or local exhaust, as needed to control exposure to dust, vapors or mists.

PERSONAL PROTECTIVE EQUIPMENT:

Gloves are recommended.

Safety glasses.

Lab coat or other long sleeved garment to limit skin exposure. Access to a safety shower and eye-wash.

-----Section 9. Special Requirements -----

PRECAUTIONS:

Do not inhale, ingest or allow material to contact skin or eyes.

COMMENTS:

Store at 2-8°C.

This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200.

While Abraxis LLC believes that the data contained herein are factual and the opinions expressed represent a best effort to present accurate information, the data are not to be taken as a warranty or representation for which Abraxis LLC assumes legal responsibility. All materials and mixtures may present unknown hazards and should be used with caution. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local regulations.