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MATERIAL SAFETY DATA SHEET

SECTION I • PRODUCT IDENTIFICATION

CATALOG NUMBER (S)	1250-01	EMERGENCY TELEPHONE NUMBER	800 624-8380
CHEMICAL NAME AND SYNONYMS Human albumin in human urine matrix		DATE PREPARED/REVISED	01/19/05 REVISION # 05
TRADE NAME AND SYNONYMS Microbumin Microalbumin Control			
CHEMICAL FAMILY Quality Control Materials			

SECTION II • COMPOSITION / HAZARDOUS INGREDIENTS

This product does not contain any ingredients which have been determined to be health hazards pursuant to Federal OSHA and which comprise 1% or more (0.1% or more for carcinogens) of the mixture.

CHEMICAL NAMES	CAS NUMBER	PERCENT	EXPOSURE LIMITS IN AIR		
			ACGIH (TLV)	OSHA (PEL)	OTHER
5-Chloro-2-Methyl-4-Isothiazolin	26172-55-4	0.15%			
2-Methyl-4-Isothiazolin	2682-20-4	0.15%			

NFPA Rating Index	Health	Flammability	Reactivity	Special Precautions
Health (Blue) 1 = Caution May be irritating Reactivity (Yellow) 0 = Stable Not reactive when mixed with water	1	0	0	none

SECTION III • PHYSICAL PROPERTIES

BOILING POINT OR RANGE (F)	N/A	MELTING POINT OR RANGE (F)	N/A
SPECIFIC GRAVITY (H ₂ O=1)	N/A	SOLUBILITY IN WATER	N/A
VAPOR PRESSURE (mmHg)	N/A	VAPOR DENSITY (AIR=1)	N/A
PERCENT, VOLATILE BY VOLUME (%)	N/A	EVAPORATION RATE (_____ = 1)	N/A

APPEARANCE AND ODOR
Amber yellow odorless liquid

HOW TO DETECT THIS SUBSTANCE*
No unusual warning properties

*WARNING PROPERTIES OF SUBSTANCE AS A GAS, VAPOR, DUST OR MIST • ODOR IS NOT AN ADEQUATE WARNING OF INHALATION HAZARD • SKIN IRRITATION IS NOT AN ADEQUATE WARNING OF ABSORPTION THROUGH THE SKIN

SECTION IV • FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	N/A	FLAMMABLE LIMITS IN AIR, VOLUME (%)	LOWER	UPPER
AUTOIGNITION TEMPERATURE (F)	N/A		N/A	N/A
FIRE EXTINGUISHING MATERIALS	Use fire extinguishing material appropriate for surrounding fire			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Sodium azide may form metal azides in metal pipes (plumbing) and pose a threat of explosion.			

SECTION V • HEALTH HAZARD DATA

SYMPTOMS OF OVEREXPOSURE	No vapor hazard. Irritation of the skin may occur upon contact.
ACUTE HEALTH EFFECTS OR RISKS FROM EXPOSURE	May be fatal if swallowed. Irritation of skin or eyes may be experienced.
CHRONIC HEALTH EFFECTS OR RISKS FROM EXPOSURE	Long term effects are not likely if product is used as directed. Sodium azide can be absorbed through the skin.
FIRST AID: EMERGENCY PROCEDURES	Remove contaminated clothing. Wash affected skin areas with soap and water. Flush skin and eyes with water for at least 15 minutes. If swallowed, induce vomiting. Call physician or poison control center.
SUSPECTED CANCER AGENT ?	No
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None known
RECOMMENDATIONS TO PHYSICIAN	Treat symptoms

SECTION VI • REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (<i>Materials to avoid</i>)	None		
HAZARDOUS DECOMPOSITION PRODUCTS	None		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII • SPILL, LEAKAGE AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES Wear protective clothing and gloves. Absorb spilled liquid with appropriate materials. Rinse area with soap and water solution. Disinfect with bleach diluted 1:10 with water. Rinse area with water.

WASTE DISPOSAL METHOD
Absorb into inert solid or dilute with large quantities of water and pour down sewer.

SECTION VIII • SPECIAL HANDLING INFORMATION

RESPIRATORY PROTECTION (<i>Specify type</i>)	None Required		
VENTILATION	LOCAL EXHAUST	N/A	SPECIAL
	MECHANICAL (<i>General</i>)	N/A	OTHER
PROTECTIVE GLOVES	Recommended	EYE PROTECTION	Avoid getting into eyes
OTHER CLOTHING AND EQUIPMENT	Wear Lab coat		
WORK AND HYGIENIC PRACTICES	For In Vitro Diagnostic Use Only It is recommended that such samples be handled at the Centers for Disease Control's Biosafety Level 2.		
OTHER HANDLING AND STORAGE REQUIREMENTS	Store and Handle according to package insert directions		

Caution: Contains Human urine and human serum proteins. All source serum units used in the manufacture of the purified serum proteins have been tested and found nonreactive for Hepatitis B surface antigen, Hepatitis C and HIV 1 & 2 antibody when tested by FDA accepted methods. No known test method can assure that a product derived from human blood does not contain Hepatitis or HIV virus. Handle as if potentially infectious.

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT None other than those indicated above