



Eurofins
Clinical Diagnostics

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION					
Product Identifier		Transport buffer in an orange cap Copan tube			
Common Names		GNT sample tube			
Product Use		Transport of patient samples to Diatherix Laboratories, Inc for molecular testing			
Manufacturer		Copan Diagnostics		Supplier Diatherix Laboratories, Inc	
Street Address		26055 Jefferson Avenue		Street Address 601 Genome Way Suite 2100	
City	Murrieta	State	CA	City	Huntsville
State	CA	State	Alabama	City	Huntsville
Zip Code	92592	Phone	(951) 696-6957	Zip Code	35806
Phone	(951) 696-6957	Phone	(866) 979-4242	Phone	(866) 979-4242
MSDS Prepared By	Jennifer Kelly	Date	10/14/14	Phone	(866) 979-4242
SECTION 2- HAZARDS IDENTIFICATION					
Fire and Explosion	None			None	
Health	Harmful by inhalation, in contact with skin, and if swallowed. Irritating to eyes and skin. Contacts with acid liberate very toxic gas.			Health Hazard	
Environment	Aquatic Toxicity			Environmental Hazard	
Precautionary Statement	This product contains 16.67% of a substance that has been determined to be hazardous according to current OSHA standards. Please see all sections of this MSDS for more information.				
SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS					
Specific Hazardous Ingredients	%	CAS Number	Chemical Formula	LC50	LD50
Guanidinium thiocyanate	16.67%	593-84-0	C2H6N4S	Unknown	Unknown
SECTION 4- FIRST AID MEASURES					
Skin Contact	Rinse affected area with water				
Eye Contact	Rinse eyes with running water for several minutes				
Inhalation	Supply fresh air, consult doctor in case of difficulty breathing				
Ingestion	In cases of persistent symptoms, consult doctor				
Special Instructions	As with any exposure to a hazardous substance, seek medical attention if warranted.				
SECTION 5- FIRE FIGHTING MEASURES					
Flammable?	Yes	X	No	If yes, under which conditions?	Dust at sufficient concentrations mixed with air
Means of Extinction	CO2, extinguishing powder, water jet, or alcohol-resistant foam				
Hazardous Combustion Products	N/A				
NFPA Codes	Not Flammable				

SECTION 6- ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Wear appropriate personal protective equipment as specified in SECTION 8.

Do not allow solution to enter the soil. For spilled solution, absorb with liquid-binding material such as sand, sawdust, diatomite, or universal binders. Dispose of contaminated material as waste according to information in SECTION 13.

SECTION 7- HANDLING AND STORAGE

Handling Procedures No special handling considerations are necessary for closed tube. For open tubes, use appropriate measures from SECTION 8. Do not allow substance to be released into the environment.

Storage Store at ambient room temperature until expiration date listed on tube

SECTION 8- EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure Limits	ACGIH TLV	OSHA PEL	Other	X	If other, specify	None
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Specific Engineering Controls (i.e. ventilation) This product does not contain any relevant quantities of materials with critical values that have to be monitored.

Personal Protective Equipment	Respirator	X	Gloves	X	Eye	X
	Clothing		Footwear		Other	

If checked, please specify Respirator is not necessary when room is well ventilated, but should be utilized if concentrations are high or ventilation is not adequate. Eye protection should be worn when splashing is possible. Gloves should be worn at all times when handling this product and should be changed as soon as possible if they become wet.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor and Appearance	Odor Threshold (ppm)
Fluid	Odorless/Colorless	No data available
Specific Gravity	Vapor Density (air=1)	Vapor Pressure (mmHg)
No data available	1.04 g/cm ³	No data available
Evaporation Rate	Boiling Point and Range (°C)	Freezing Point (°C)
No data available	No data available	No data available
Melting Point (°C)	Coefficient of Water/Oil Distribution	Solubility
No data available	No data available	Fully miscible in water
pH	Relative Density	Viscosity
8.2	No data available	No data available
Flashpoint (°C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
N/A	N/A	N/A
Autoignition Temperature (°C)	Explosion Data- Sensitivity to Impact	Explosion Data- Sensitivity to Static Discharge
N/A	Product is not explosive	Product is not explosive

SECTION 10- STABILITY AND REACTIVITY							
Chemically Stable	Yes	X	No		If no, under which conditions	N/A	
Incompatible with other substances	Yes		No	X	If yes, which ones	N/A	
Reactivity	Yes	X	No		If yes, under what conditions	Contact with acids can liberate very toxic gas	
Hazardous Decomposition Products	No decomposition if used according to directions						
Conditions to avoid	Do not evaporate liquid. Do not mix with acid. Use according to manufacturer suggestions and follow MSDS protocol.						
SECTION 11- TOXICOLOGICAL INFORMATION							
Effects of Acute Exposure	No data available						
Effects of Chronic Exposure	No data available						
Irritancy Information				Sensitivity Information			
Skin	Minor Irritation, wear appropriate PPE			Skin	No data available		
Eye	Minor Irritation, wear appropriate PPE			Eye	No data available		
Respiratory	Minor Irritation, wear appropriate PPE			Respiratory	No data available		
Carcinogenicity-IARC	Not a known carcinogen according to IARC standards						
Carcinogenicity-ACGIH	Not a known carcinogen according to ACGIH standards						
Reproductive Toxicity	No data available						
Teratogenicity	No data available						
Embrototoxicity	No data available						
Mutagenicity	No data available						
Name(s) of synergistic product(s)/effect(s)	No data available						
SECTION 12-ECOLOGICAL INFORMATION							
Aquatic Toxicity	Do not allow to reach water. Danger to drinking water even in small quantities. Check applicable local regulations for limit values of discharge into sewage systems.						
Soil Toxicity	Do not allow to reach soil. Danger to drinking water even if small quantities leak into soil. Check local regulations for limit values of discharge into sewage systems.						
SECTION 13- DISPOSAL CONSIDERATIONS							
Waste Disposal	Dispose of all contaminated waste in concordance with local, state, and federal guidelines. Do not allow waste to enter water supplies.						
SECTION 14- TRANSPORT INFORMATION							
Transport Conditions	No special transport considerations						
Special Shipping Conditions	No special shipping considerations						
TDG	Not dangerous goods						
DOT	Not dangerous goods						
IMO	Not dangerous goods						
ICAO	Not dangerous goods						
PIN	Not dangerous goods						

SECTION 15- REGULATORY INFORMATION

WHMIS	N/A	OHSA	N/A
SERA	N/A	TSCA	N/A

This product has been classified in accordance with the hazard criteria of the Occupational Safety and Health Administration and the MSDS contains all of the information required by OSHA under the GHS directive.

SECTION 16- OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.