1 IDENTIFICATION

Product Identifiers

Product name	Master Mix
Product number	Varies

Recommended use of the chemical and restrictions on use

Recommended use	Laboratory chemical

Details of the suppliers of the safety data sheet

Company	Co-Diagnostics, Inc. 2401 South Foothill Drive Suite D Salt Lake City, Utah 84109
Telephone number	(801) 438-1036
Emergency phone number	(801) 438-1036 ext. 5

2 HAZARD(S) IDENTIFICATION

GHS Classification

Item	Health	Flammability	Reactivity
NFPA Rating (scale 0-4)	1	1	0
HMIS Rating (scale 0-4)	1	1	0

Signal word	None
Hazard statement(s)	None
Pictogram(s)	None
Other hazards	This mixture has not been tested to determine the overall health hazard; therefore, in accordance with 29CFR1910.1200, the data reported above pertains to the hazardous ingredients of this mixture.

3 COMPOSITION/INFORMATION

Description
The exact concentration percentages of the hazardous substances are withheld as a Co-Diagnostics, Inc. trade secret.

Substance / Mixture	Mixture
Product name	Master Mix
Synonyms	Logix Smart™ Master Mix
	Vector Smart™ Master Mix
CAS-No.	Not Applicable
EC-No.	Not Applicable

Hazardous Components

Chemical Name	CAS-No.	Concentration
Glycerol	56-81-5	<2%

4 FIRST-AID MEASURES

Exposure

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Not expected to irritate the skin. Wash off with soap and plenty of water.
In case of eye contact	Rinse opened eye for several minutes under running water.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. If the patient feels unwell or is concerned, obtain medical advice.
Notes to physician	None.

Most important symptoms and effects, both acute and delayed
Dizziness.

Indication of any immediate medical attention and special treatment needed
Not known.

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5 FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	None.

Special hazards arising from the substance or mixture
Oxides of nitrogen and carbon.

Advice for fire-fighters
Wear self-contained breathing apparatus (SCBA) for firefighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective clothing and chemically compatible gloves. Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental Precautions	Dilute with plenty of water. Do not allow to enter sewers/surface or ground water. Do not let product enter drains.
Methods and materials for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Sweep up and shovel. Finish by wiping with a damp towel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling	Observe all federal, state, and local regulations. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20°C, desiccated.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Eye/face Protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated glove after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Laboratory coat.
Respiratory Protection	Not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Engineering controls

General industrial hygiene practice. Use good laboratory practices for handling chemical substances of unknown toxicity.

Exposure Limits

OSHA PEL	Glycerol Long-term value: 15*5**mg/m^3 mist; *total dust **respirable fraction
ACGIH	Not known
TLV	Not known
NIOSH	Not known

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid
Color	Varies
Odor	Not determined

Odor Threshold	Not determined
pH	Not determined
Melting point/range	Not determined
Boiling point/range	Not determined
Freezing point/range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Burning rate	Not determined
Upper explosion limit	Not determined
Lower explosion limit	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	Not determined
Density	Not determined
Water solubility	Not determined
Solubility in other solvents	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Dynamic viscosity	Not determined
Kinematic viscosity	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined

Partition coefficient: n-octanol/water	Not determined

10 STABILITY AND REACTIVITY

Reactivity	Not determined
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Not determined
Conditions to avoid	Not determined
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Not determined

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects
There is no evidence available indicating acute toxicity

Routes of Exposure

If inhaled	Not determined
In case of skin contact	No irritant effect
In case of eye contact	Irritating effect
If swallowed	Not determined

Delayed, immediate, or chronic effects from short to long-term exposure
Not determined.

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen.

12 ECOLOGICAL INFORMATION

Toxicity
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability	No information available
Bioaccumulative potential	No information available
Results of PBT and vPvB assessment	This mixture does not contain any substances that are assessed to be a PBT or a vPvB
Other adverse effects	No information available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods
Appropriate method of disposal of substance or preparation: Disposal should be in accordance with applicable regional, nation and local laws and regulations. Refer to section 7: Handling and Storage and section 8: Exposure Control/Personal Protection for additional information.

14 TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG
Not regulated in the meaning of transport regulations.

UN number	Not Applicable
UN proper shipping name	Not Applicable
Transport hazard class(es)	Not Applicable
Packing group number	Not Applicable

Environmental hazards
Not Applicable

Special precautions for user
Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not Applicable

15 REGULATORY INFORMATION

US Federal Regulations

SARA	This product is not regulated by SARA
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPSs) (see 40 CFR 61)	This product does not contain HAPS
TSCA	All ingredients are listed:

US State Regulations

California Proposition 65	This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class
Non-controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16 OTHER INFORMATION

The above information is believed to be correct based on our present knowledge and shall be used only as a guide. The information is applicable to the product with regard to appropriate safety precautions. This information does not guarantee the properties of the product and shall not establish a legally valid contractual relationship. Co-Diagnostics, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See invoice or packing information for additional terms and conditions of sale.

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Abbreviations and acronyms

RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
DOT	US Department of Transportation
IATA	International Air Transport Association
ACGIH	American Conference of Governmental Industrial Hygienists
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
NFPA	National Fire Protection Association (USA)
HMIS	Hazardous Materials Identification System (USA)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative
NIOSH	National Institute for Occupational Safety
OSHA	Occupational Safety and Health Administration
TLV	Threshold limit value
PEL	Permissible exposure limit

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REL	Recommended exposure limit
TSCA	Toxic Substances Control Act
SARA	The Superfund Amendments and Reauthorization Act

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