



# Cardiac Troponin Reagents, Calibrators and Controls Safety Data Sheet 1072

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/15/2015

Date of Revision: 06/23/2015

Revision: B

## SECTION 1 Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	Mixture
Product name	Cardiac Troponin
	Reagent R1, Reagent R2, Calibrators and Controls
Product code	DZ145A
	DZ145A-R1, DZ145A-R2, DZ145A-CAL, DZ145A-CON

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### 1.3. Details of the supplier of the safety data sheet

Supplier: Diazyme Laboratories  
12889 Gregg Court  
Poway, CA 92064  
T 858-455-4768

Authorized Representative:  
MDSS GmbH  
Schiffgraben 41  
Germany  
(+49) 511-6262-8630

### 1.4. Emergency telephone number

Emergency number Contact your local health authority or poison control center in an emergency. Manufacturer contact number for the US is as follows: (858) 455-4768

## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS-US)

Flam. Liq. 2 H225

Full text of H-phrases: see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms (GHS-US)



GHS02

Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H225 - Highly flammable liquid and vapor

Precautionary statements (GHS-US)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ventilating/lighting/... equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P370+P378 - In case of fire: Use ... to extinguish

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

# Cardiac Troponin

## Reagents, Calibrators and Controls

### Safety Data Sheet 1072

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3 Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Full text of H-phrases: see section 16

### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard Highly flammable liquid and vapor.  
Reactivity Highly flammable liquid and vapor.

#### 5.3. Advice for firefighters

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6 Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 6.1.2. For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.  
Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# Cardiac Troponin

## Reagents, Calibrators and Controls

### Safety Data Sheet 1072

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	Ground/bond container and receiving equipment.
Storage conditions	Store in a well-ventilated place. Keep cool. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

Cardiac Troponin Reagents, Calibrators and Controls	
ACGIH	Not applicable
OSHA	Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station.
Hand protection	Protective gloves.
Eye protection	Safety glasses.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	Avoid release to the environment.

### SECTION 9 Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Mixture contains one or more component(s) which have the following colour(s): Colourless
Odor	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Characteristic odour Mild odour Pleasant odour Alcohol odour Commercial/unpurified substance: Irritating/pungent odour
Odor threshold	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Solubility	Water Solubility in water of component(s) of the mixture : • : >= 100 g/100ml
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available



# Cardiac Troponin Reagents, Calibrators and Controls

## Safety Data Sheet 1072

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 14 Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description

UN1230 Methanol, 3, II

UN-No.(DOT)

UN1230

Proper Shipping Name (DOT)

Methanol

Transport hazard class(es) (DOT)

3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT)

3 - Flammable liquid



Packing group (DOT)

II - Medium Danger

DOT Packaging Non Bulk (49 CFR 173.xxx)

202

DOT Packaging Bulk (49 CFR 173.xxx)

242

DOT Symbols

D - Proper shipping name for domestic use only, or to and from Canada

DOT Special Provisions (49 CFR 172.102)

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where:  $t_r$  is the maximum mean bulk temperature during transport,  $t_f$  is the temperature in degrees celsius of the liquid during filling, and  $a$  is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling ( $t_f$ ) and the maximum mean bulk temperature during transportation ( $t_r$ ) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where:  $d_{15}$  and  $d_{50}$  are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx)

150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)

1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)

60 L

DOT Vessel Stowage Location

B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

DOT Vessel Stowage Other

40 - Stow "clear of living quarters"

#### Additional information

Other information

No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

UN-No. (IMDG)

1230

Proper Shipping Name (IMDG)

METHANOL

Class (IMDG)

3 - Flammable liquids

Packing group (IMDG)

II - substances presenting medium danger

#### Air transport

UN-No. (IATA)

1230

Proper Shipping Name (IATA)

Methanol

Class (IATA)

3 - Flammable Liquids

Packing group (IATA)

II - Medium Danger

# Cardiac Troponin Reagents, Calibrators and Controls

## Safety Data Sheet 1072

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 15 Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16 Other information

Full text of H-phrases

Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor

SDS US Diazyme

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*