



## **Safety Data Sheet**

### **SECTION I: Product and Company Identification**

#### **1.1 Product identifiers**

**Product name:** M5 DNA Polymerase (pfu)

**Product Number:** M3105

**Brand:** MEDNA

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

**Identified uses:** Laboratory chemicals

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

**Company :** MEDNA Scientific, Inc.

**Emergency phone number:** 469-250-4424

### **SECTION II: Hazards identification**

#### **2.1 Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### **2.2 GHS Label elements, including precautionary statements**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### **SECTION III: Composition/information on ingredients**

#### **3.1 Substances**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### **SECTION IV: First aid measures**

#### **4.1 Description of first aid measures**

##### **If inhaled**

Remove to fresh air.

##### **In case of skin contact**

Wash skin with soap and water.

##### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
Consult a physician.

##### **If swallowed**

Clean mouth with water and drink afterwards plenty of water.

### **SECTION V: Firefighting measures**



### 5.1 Flammable properties

Not flammable.

### 5.2 Flash point

Not determined.

### 5.3 Suitable extinguishing media

Appropriate to the circumstances and environment.

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### 5.4 Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## SECTION VI: Accidental release measures

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

Make sure there is adequate ventilation.

### 6.2 Environmental precautions

Prevent material from entering drains and water courses.

### 6.3 Methods and materials for containment and cleaning up

Prevent from leaking and spilling if safe to do so.

## SECTION VII: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION VIII: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Engineering measures

Showers, eyewash stations, ventilation systems.

#### Personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin and body protection



Wear suitable protective clothing.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**SECTION IX: Physical and chemical properties**

**9.1 Basic physical and chemical properties**

- a) Appearance Form: Colorless
- b) Odor: Mild
- c) Odor threshold: No information available
- d) pH: No information available.
- e) Physical state at 20 degrees C: Liquid
- f) Flash point: No information available
- g) Decomposition temperature: No information available.
- h) Flammability limits in air: No information available.
- i) Explosion limits: No information available.
- j) Specific gravity: No information available.
- k) Solubility: No information available.
- l) Evaporation rate: No information available
- m) Vapor Pressure @20°C (kPa): No information available
- n) Vapor density: No data available
- o) VOC Content(%): Not applicable

**9.2 Other safety information**

No data available

**SECTION X: Stability and reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

None known.

**SECTION XI: Toxicological information**

**11.1 Information on likely routes of exposure**



## Product Information

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

## 11.2 Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

## 11.3 Acute toxicity

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 25,200.00 mg/kg

ATEmix (dermal) 20,000.00 mg/kg

### Unknown acute toxicity

50% of the mixture consists of ingredient(s) of unknown toxicity

0% of the mixture consists of ingredient(s) of unknown acute oral toxicity

0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

50% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

50% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

50% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## 11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available

## SECTION XII: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available



#### **12.4 Mobility in soil**

No data available

#### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### **12.6 Other adverse effects**

No data available

### **SECTION XIII: Disposal considerations**

#### **13.1 Waste treatment methods**

##### **Product**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

##### **Contaminated packaging**

Do not reuse empty containers.

### **SECTION XIV: Transport information**

#### **DOT (US)**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

### **SECTION XV: Regulatory information**

#### **SARA 302 Components**

This material does not contain any components with a section 302 EHS TPQ.

#### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

Acute health hazard	no
Chronic health hazard	no
Fire hazard	no
Sudden release of pressure hazard	no
Reactive hazard	no

#### **No US State right to know regulations**

#### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**



This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **SECTION XVI: Other information**

##### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDNA Scientific shall not be held liable for any damage resulting from handling or from contact with the above product.

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