

## SAFETY DATA SHEET

Version 6.2  
Revision Date 04/27/2021  
Print Date 11/27/2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : DNase I  
Product Number : AMPD1  
Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances

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

Company : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATES  
Telephone : +1 314 771-5765  
Fax : +1 800 325-5052

**1.4 Emergency telephone**

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-  
527-3887 CHEMTREC (International) 24  
Hours/day; 7 Days/week

This is a summary MSDS for a kit. For the full MSDS for each of the components listed in section 16 please visit our website.

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Respiratory sensitization (Category 1), H334  
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory Tract, H373

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

Pictogram



Signal word

Danger

Hazard statement(s)	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373	May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.
Precautionary statement(s)	
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P285	In case of inadequate ventilation wear respiratory protection.
P304 + P341	IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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## SECTION 3: Composition/information on ingredients

Refer to component MSDS

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## SECTION 4: First aid measures

Refer to component MSDS

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## SECTION 5: Firefighting measures

Refer to component MSDS

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## SECTION 6: Accidental release measures

Refer to component MSDS

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For precautions see section 2.2.

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

#### Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Tightly closed.

#### Storage stability

Recommended storage temperature  
-20 °C

Storage class (TRGS 510): 10: Combustible liquids

Sigma - AMPD1

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### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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#### **SECTION 8: Exposure controls/personal protection**

Refer to component MSDS

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#### **SECTION 9: Physical and chemical properties**

Refer to component MSDS

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#### **SECTION 10: Stability and reactivity**

Refer to component MSDS

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#### **SECTION 11: Toxicological information**

Refer to component MSDS

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#### **SECTION 12: Ecological information**

Refer to component MSDS

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#### **SECTION 13: Disposal considerations**

Refer to component MSDS

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#### **SECTION 14: Transport information**

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

Not dangerous goods

##### **IMDG**

Not dangerous goods

##### **IATA**

Not dangerous goods

##### **Further information**

Not classified as dangerous in the meaning of transport regulations.

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#### **SECTION 15: Regulatory information**

**SARA 302 Components**

Deoxyribonuclease I (dnase 1)from bovine pancreas	CAS-No.	Revision Date
	-	
	-	
	-	

**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, Chronic Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**SECTION 16: Other information****Kit Components:**

Amplification Grade DNase 1	Sigma	D5307	Resp. Sens. 1; H334
Reaction buffer, 10×	Sigma	R6273	
Stop solution for dnase I kit	Sigma	S4809	STOT RE 2; H373

**Further information**

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## Kit Components:

<b>Amplification Grade DNase 1</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - D5307		Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Dispose of contents/ container to an approved waste disposal plant. In case of inadequate ventilation wear respiratory protection. If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.	

<b>Reaction buffer, 10x</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - R6273					Not a hazardous substance or mixture.

<b>Stop solution for dnase I kit</b>					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - S4809		Warning	May cause damage to organs (/\$/*_2ORG_RE P_INH/\$/) through	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Get medical advice/	

			prolonged or repeated exposure if inhaled.	attention if you feel unwell. Dispose of contents/ container to an approved waste disposal plant.	
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