

# • SAFETY DATA SHEET

Version 6.13  
Revision Date 11/27/2025  
Print Date 11/28/2025

## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : Complete Whole Transcriptome Amplification Kit

Product Number : WTA2  
Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

### 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 number

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

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

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Hazards for the product as supplied

Short-term (acute) aquatic hazard : Category 3

#### Other hazards

None known.

#### GHS label elements

Hazard statements : H402 Harmful to aquatic life.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to component SDS

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## SECTION 4. FIRST AID MEASURES

Refer to component SDS

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## SECTION 5. FIREFIGHTING MEASURES

Refer to component SDS

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Refer to component SDS

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## SECTION 7. HANDLING AND STORAGE

For precautions see section 2.2.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Further information on storage conditions : Tightly closed.

Storage class : 10, Combustible liquids

Sigma - WTA2

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Recommended storage : -4 °F / -20 °C  
temperature

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to component SDS

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Refer to component SDS

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## **SECTION 10. STABILITY AND REACTIVITY**

Refer to component SDS

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Refer to component SDS

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## **SECTION 12. ECOLOGICAL INFORMATION**

Refer to component SDS

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Refer to component SDS

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## **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

#### **Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

### **National Regulations**

#### **49 CFR Road**

Not regulated as a dangerous good

Poison Inhalation Hazard : No

### **Special precautions for user**

Remarks : Not classified as dangerous in the meaning of

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## SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Chronic Health Hazard

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## SECTION 16. OTHER INFORMATION

### Kit Components:

Amplification Mix	Sigma	A6731
Amplification Enzyme	Sigma	A6856
WTA dNTP Mix	Sigma	D6193
Library Synthesis Solution	Sigma	L9293
Library Synthesis Buffer	Sigma	L9418
Water	Sigma	N1913
Library Synthesis Enzyme	Sigma	L9543

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EC<sub>x</sub> - Concentration associated with x% response; EHS - Extremely Hazardous Substance; EL<sub>x</sub> - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC<sub>x</sub> - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC<sub>50</sub> - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC<sub>50</sub> - Lethal Concentration to 50 % of a test population; LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the

European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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US / EN

**Kit Components:**

<b>Amplification Mix</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - A6731					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Amplification Enzyme</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - A6856					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>WTA dNTP Mix</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - D6193					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Library Synthesis Solution</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - L9293					No hazard pictogram, no signal word, no hazard

					statement(s), no precautionary statement(s) required.
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<b>Library Synthesis Buffer</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - L9418					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Water</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - N1913					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Library Synthesis Enzyme</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - L9543			Harmful to aquatic life.	Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.	