SAFETY DATA SHEET

Version 6.7
Revision Date 09/06/2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : β-Glucuronidase Reporter Gene Staining Kit

Product Number : GUSS
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

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

2.1 Classification of the substance or mixture

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

Short-term (acute) aquatic hazard (Category 3), H402

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Long-term (chronic) aquatic hazard (Category 3), H412

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

2.2 GHS Label elements, including precautionary statements

Pictogram	none
Signal Word	none
Hazard Statements	
H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements	
P273	Avoid release to the environment.
P501	Dispose of contents/ container to an approved waste disposal plant.

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

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

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
Tightly closed. Dry.
Storage stability Recommended storage temperature
-20 °C
Light sensitive.

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Storage class
Storage class (TRGS 510): 11: Combustible Solids

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG

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Not dangerous goods

IATA
Not dangerous goods

Further information
Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
Reagent a for gus staining kit	Not Assigned	
Reagent B for gus staining kit	Not Assigned	
Reagent C for gus staining kit	Not Assigned	
5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9	

SARA 311/312 Hazards : Chronic Health Hazard

SARA 313 : 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.

US State Regulations

Massachusetts Right To Know

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

Massachusetts Right To Know

5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9
Reagent a for gus staining kit	Not Assigned
Reagent B for gus staining kit	Not Assigned
Reagent C for gus staining kit	Not Assigned

Pennsylvania Right To Know

5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9

Pennsylvania Right To Know

5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9

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Reagent a for gus staining kit	Not Assigned
Reagent C for gus staining kit	Not Assigned

Maine Chemicals of High Concern

Reagent B for gus staining kit	Not Assigned

Vermont Chemicals of High Concern

Reagent B for gus staining kit	Not Assigned

Washington Chemicals of High Concern

Reagent B for gus staining kit	Not Assigned

New Jersey Right To Know

5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

Reagent a for gus staining kit	Not Assigned
Reagent B for gus staining kit	Not Assigned
Reagent C for gus staining kit	Not Assigned
5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Reagent a for gus staining kit	Not Assigned
Reagent B for gus staining kit	Not Assigned
Reagent C for gus staining kit	Not Assigned
5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	129541-41-9

SECTION 16: Other information

Kit Components:

Reagent a for gus staining kit	Sigma	R6147	
Reagent B for gus staining kit	Sigma	B6650	Aquatic Acute 3; Aquatic Chronic 3; H412
Reagent C for gus staining kit	Sigma	R6397	
5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt	Sigma	B5285	

Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent

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any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.
Copyright 2020 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.
The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.
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Kit Components:

Reagent a for gus staining kit					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - R6147					Not a hazardous substance or mixture.

Reagent B for gus staining kit					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - B6650			Harmful to aquatic life with long lasting effects.	Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.	

Reagent C for gus staining kit					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - R6397					Not a hazardous substance or mixture.

5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - B5285					Not a hazardous substance or mixture.

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