

## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

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

#### 1.1 product identifier

trade name **H3K9me3 Antibody - ChIP-seq Grade**  
registration number (REACH) not relevant (mixture)  
product code(s) C15410056

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

relevant identified uses for research use only, not for use in diagnostic or therapeutic procedures.

#### 1.3 details of the supplier of the safety data sheet

Diagenode SA  
LIEGE SCIENCE PARK Rue du Bois Saint-Jean, 3  
4102 Seraing  
Belgium

telephone: +32 4 364 20 50

#### 1.4 emergency telephone number

emergency information service +32 4 364 20 50  
this number is only available during the following of-  
fice hours: Mon-Fri 09:00 AM - 05:00 PM

poison centre		
country	name	telephone
United Kingdom	National Poisons Information Service	111

### SECTION 2: Hazards identification

#### 2.1 classification of the substance or mixture

classification according to Regulation (EC) No 1272/2008 (CLP)  
this mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

#### 2.2 label elements

labelling according to Regulation (EC) No 1272/2008 (CLP)  
not required

#### 2.3 other hazards

of no significance

### SECTION 3: Composition/information on ingredients

#### 3.1 substances

not relevant (mixture)

#### 3.2 mixtures

description of the mixture

This product is composed of antibodies in aqueous buffer solution. It contains 0.05% sodium azide as pre-servative.

## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

### SECTION 4: First aid measures

#### 4.1 description of first aid measures

##### general notes

do not leave affected person unattended. remove victim out of the danger area. keep affected person warm, still and covered. take off immediately all contaminated clothing. in all cases of doubt, or when symptoms persist, seek medical advice. in case of unconsciousness place person in the recovery position. Never give anything by mouth.

##### following inhalation

if breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. provide fresh air.

##### following skin contact

wash with plenty of soap and water.

##### following eye contact

remove contact lenses, if present and easy to do. Continue rinsing. irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

##### following ingestion

rinse mouth with water (only if the person is conscious). do NOT induce vomiting.

#### 4.2 most important symptoms and effects, both acute and delayed

symptoms and effects are not known to date.

#### 4.3 indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 extinguishing media

##### suitable extinguishing media

water spray, BC-powder, carbon dioxide (CO<sub>2</sub>)

##### unsuitable extinguishing media

water jet

#### 5.2 special hazards arising from the substance or mixture

##### hazardous combustion products

nitrogen oxides (NO<sub>x</sub>)

#### 5.3 advice for firefighters

in case of fire and/or explosion do not breathe fumes. co-ordinate firefighting measures to the fire surroundings. do not allow firefighting water to enter drains or water courses. collect contaminated firefighting water separately. fight fire with normal precautions from a reasonable distance.

### SECTION 6: Accidental release measures

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

##### for non-emergency personnel

remove persons to safety.

##### for emergency responders

wear breathing apparatus if exposed to vapours/dust/spray/gases.

#### 6.2 environmental precautions

keep away from drains, surface and ground water. retain contaminated washing water and dispose of it.

## H3K9me3 Antibody - CHIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

### 6.3 methods and material for containment and cleaning up

advice on how to contain a spill

covering of drains

advice on how to clean up a spill

wipe up with absorbent material (e.g. cloth, fleece). collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

appropriate containment techniques

use of adsorbent materials.

other information relating to spills and releases

place in appropriate containers for disposal. ventilate affected area.

### 6.4 reference to other sections

hazardous combustion products: see section 5. personal protective equipment: see section 8. incompatible materials: see section 10. disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 precautions for safe handling

recommendations

- measures to prevent fire as well as aerosol and dust generation

use local and general ventilation. use only in well-ventilated areas.

advice on general occupational hygiene

wash hands after use. do not eat, drink and smoke in work areas. remove contaminated clothing and protective equipment before entering eating areas. never keep food or drink in the vicinity of chemicals. never place chemicals in containers that are normally used for food or drink. keep away from food, drink and animal feedingstuffs.

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

control of effects

protect against external exposure, such as

frost

### 7.3 specific end use(s)

see section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 control parameters

this information is not available.

### 8.2 exposure controls

appropriate engineering controls

general ventilation.

individual protection measures (personal protective equipment)

eye/face protection

wear eye/face protection.

**H3K9me3 Antibody - ChIP-seq Grade**

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

skin protection

- hand protection

wear suitable gloves. chemical protection gloves are suitable, which are tested according to EN 374. check leak-tightness/ impermeability prior to use. in the case of wanting to use the gloves again, clean them before taking off and air them well. for special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- other protection measures

take recovery periods for skin regeneration. preventive skin protection (barrier creams/ointments) is recommended. wash hands thoroughly after handling.

respiratory protection

in case of inadequate ventilation wear respiratory protection.

environmental exposure controls

use appropriate container to avoid environmental contamination. keep away from drains, surface and ground water.

**SECTION 9: Physical and chemical properties**

**9.1 information on basic physical and chemical properties**

physical state	liquid
colour	colourless
odour	odourless
melting point/freezing point	not determined
boiling point or initial boiling point and boiling range	not determined
flammability	non-combustible
lower and upper explosion limit	not determined
flash point	not determined
auto-ignition temperature	not determined
decomposition temperature	not relevant
pH (value)	not determined
kinematic viscosity	not determined
solubility(ies)	not determined

partition coefficient

partition coefficient n-octanol/water (log value)	this information is not available
---	-----------------------------------

vapour pressure	not determined
-----------------	----------------

**H3K9me3 Antibody - ChIP-seq Grade**

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

density and/or relative density

density	not determined
---------	----------------

particle characteristics	no data available
--------------------------	-------------------

**9.2 other information**

information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
other safety characteristics	there is no additional information

**SECTION 10: Stability and reactivity**

**10.1 reactivity**

concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

**10.2 chemical stability**

the material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3 possibility of hazardous reactions**

no known hazardous reactions.

**10.4 conditions to avoid**

there are no specific conditions known which have to be avoided.

**10.5 incompatible materials**

there is no additional information.

**10.6 hazardous decomposition products**

reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. hazardous combustion products: see section 5.

**SECTION 11: Toxicological information**

**11.1 information on hazard classes as defined in Regulation (EC) No 1272/2008**

test data are not available for the complete mixture.

classification procedure

the method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**classification according to GHS (1272/2008/EC, CLP)**

this mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

acute toxicity

shall not be classified as acutely toxic.

skin corrosion/irritation

shall not be classified as corrosive/irritant to skin.

serious eye damage/eye irritation

shall not be classified as seriously damaging to the eye or eye irritant.

## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

respiratory or skin sensitisation

shall not be classified as a respiratory or skin sensitiser.

germ cell mutagenicity

shall not be classified as germ cell mutagenic.

carcinogenicity

shall not be classified as carcinogenic.

reproductive toxicity

shall not be classified as a reproductive toxicant.

specific target organ toxicity - single exposure

shall not be classified as a specific target organ toxicant (single exposure).

specific target organ toxicity - repeated exposure

shall not be classified as a specific target organ toxicant (repeated exposure).

aspiration hazard

shall not be classified as presenting an aspiration hazard.

### 11.2 information on other hazards

there is no additional information.

## SECTION 12: Ecological information

### 12.1 toxicity

shall not be classified as hazardous to the aquatic environment.

### 12.2 persistence and degradability

data are not available.

### 12.3 bioaccumulative potential

data are not available.

### 12.4 mobility in soil

data are not available.

### 12.5 results of PBT and vPvB assessment

data are not available.

### 12.6 endocrine disrupting properties

information on this property is not available.

### 12.7 other adverse effects

data are not available.

## SECTION 13: Disposal considerations

### 13.1 waste treatment methods

sewage disposal-relevant information

do not empty into drains. avoid release to the environment. Refer to special instructions/safety data sheets.

waste treatment of containers/packagings

completely emptied packages can be recycled. handle contaminated packages in the same way as the substance itself.

**H3K9me3 Antibody - ChIP-seq Grade**

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

**remarks**

please consider the relevant national or regional provisions. waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information**

- 14.1 UN number** not subject to transport regulations
- 14.2 UN proper shipping name** not assigned
- 14.3 transport hazard class(es)** none
- 14.4 packing group** not assigned
- 14.5 environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 special precautions for user**  
there is no additional information.
- 14.7 maritime transport in bulk according to IMO instruments**  
the cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations**

**transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information**

not assigned

**International Maritime Dangerous Goods Code (IMDG) - additional information**

not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR) - additional information**

not subject to ICAO-IATA.

**SECTION 15: Regulatory information**

- 15.1 safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.2 Chemical Safety Assessment**  
chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**indication of changes (revised safety data sheet)**

section	former entry (text/value)	actual entry (text/value)	safety-relevant
1.1	trade name: H3K9me3 polyclonal antibody	trade name: H3K9me3 Antibody - ChIP-seq Grade	yes
1.3	details of the supplier of the safety data sheet: Diagenode SA LIEGE SCIENCE PARK Rue du Bois Saint-Jean, 3 4102 Seraing Belgium  telephone: +32 4 364 20 50 e-mail: info@diagenode.com	details of the supplier of the safety data sheet: Diagenode SA LIEGE SCIENCE PARK Rue du Bois Saint-Jean, 3 4102 Seraing Belgium  telephone: +32 4 364 20 50	yes

## H3K9me3 Antibody - CHIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

section	former entry (text/value)	actual entry (text/value)	safety-relevant
2.1	classification according to Regulation (EC) No 1272/2008 [CLP]	classification according to Regulation (EC) No 1272/2008 [CLP]: this mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	yes
2.1		classification according to Regulation (EC) No 1272/2008 [CLP]: change in the listing (table)	yes
2.2	labelling according to Regulation (EC) No 1272/2008 [CLP]	labelling according to Regulation (EC) No 1272/2008 [CLP]: not required	yes
2.2	- signal word: warning		yes
2.2	- pictograms		yes
2.2		- pictograms: change in the listing (table)	yes
2.2		- hazard statements: change in the listing (table)	yes
2.2		- precautionary statements: change in the listing (table)	yes
2.2	- hazardous ingredients for labelling: proclin 300		yes
2.3	results of PBT and vPvB assessment: this mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
3.2		mixtures: change in the listing (table)	yes
2.3	other hazards	other hazards: of no significance	yes
3.2	mixtures: description of the mixture This product is composed of antibodies in aqueous buffer solution. It contains 0.05% sodium azide and 0,05% ProClin™ 300 as preservative.	mixtures: description of the mixture This product is composed of antibodies in aqueous buffer solution. It contains 0.05% sodium azide as preservative.	yes
4.1	following skin contact: rinse skin with water/shower.	following skin contact: wash with plenty of soap and water.	yes
5.1	suitable extinguishing media: water, foam, ABC-powder	suitable extinguishing media: water spray, BC-powder, carbon dioxide (CO <sub>2</sub> )	yes
5.2	special hazards arising from the substance or mixture: deposited combustible dust has considerable explosion potential.	special hazards arising from the substance or mixture	yes
5.2	hazardous combustion products: nitrogen oxides (NO <sub>x</sub> ), carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> )	hazardous combustion products: nitrogen oxides (NO <sub>x</sub> )	yes
6.3	advice on how to contain a spill: covering of drains, take up mechanically	advice on how to contain a spill: covering of drains	yes
6.3	advice on how to clean up a spill: take up mechanically.	advice on how to clean up a spill: wipe up with absorbent material (e.g. cloth, fleece). collect spillage: sawdust, kieselgur (diatomite), sand, universal binder	yes



## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

section	former entry (text/value)	actual entry (text/value)	safety-rel- evant
6.3		appropriate containment techniques: use of adsorbent materials.	yes
7.1	- measures to prevent fire as well as aerosol and dust generation: use local and general ventilation. take precautionary measures against static discharge. use only in well-ventilated areas. ground/bond container and receiving equipment.	- measures to prevent fire as well as aerosol and dust generation: use local and general ventilation. use only in well-ventilated areas.	yes
7.1	specific notes/details: dust deposits may accumulate on all deposition surfaces in a technical room. the product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.		yes
7.2	managing of associated risks		yes
7.2	- explosive atmospheres: removal of dust deposits.		yes
7.2	- ventilation requirements: use local and general ventilation.		yes
7.2		control of effects	yes
7.2		protect against external exposure, such as: frost	yes
8.1	control parameters	control parameters: this information is not available.	yes
8.1		occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		relevant PNECs of components of the mixture: change in the listing (table)	yes
8.2	hand protection: wear protective gloves.	hand protection: wear suitable gloves. chemical protection gloves are suitable, which are tested according to EN 374. check leak-tightness/impermeability prior to use. in the case of wanting to use the gloves again, clean them before taking off and air them well. for special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.	yes
8.2	respiratory protection: particulate filter device (EN 143).	respiratory protection: in case of inadequate ventilation wear respiratory protection.	yes
9.1	appearance		yes
9.1	physical state: solid	physical state: liquid	yes
9.1	other safety parameters		yes
9.1	flammability (solid, gas): this material is combustible, but will not ignite readily	flammability: non-combustible	yes

## H3K9me3 Antibody - CHIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

section	former entry (text/value)	actual entry (text/value)	safety-relevant
9.1		lower and upper explosion limit: not determined	yes
9.1	flash point: not applicable	flash point: not determined	yes
9.1	evaporation rate: not determined		yes
9.1	explosion limits of dust clouds: not determined		yes
9.1		decomposition temperature: not relevant	yes
9.1	pH (value): not applicable	pH (value): not determined	yes
9.1		kinematic viscosity: not determined	yes
9.1		density and/or relative density	yes
9.1	vapour density: this information is not available		yes
9.1	relative density: information on this property is not available		yes
9.1	viscosity: not relevant (solid matter)		yes
9.1	explosive properties: none		yes
9.1	oxidising properties: none		yes
9.1		particle characteristics: no data available	yes
9.2	other information: there is no additional information	other information	yes
9.2		information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		other safety characteristics: there is no additional information	yes
10.2	chemical stability: see below "Conditions to avoid".	chemical stability: the material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	yes
10.4	hints to prevent fire or explosion: the product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.		yes
10.5	incompatible materials: oxidisers	incompatible materials: there is no additional information.	yes
11.1	classification according to GHS (1272/2008/EC, CLP)	classification according to GHS (1272/2008/EC, CLP): this mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	yes

## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

section	former entry (text/value)	actual entry (text/value)	safety-relevant
11.1	respiratory or skin sensitisation: may cause an allergic skin reaction.	respiratory or skin sensitisation: shall not be classified as a respiratory or skin sensitiser.	yes
11.2		information on other hazards: there is no additional information.	yes
12.6	other adverse effects: data are not available.	endocrine disrupting properties: information on this property is not available.	yes
14.2	UN proper shipping name: not relevant	UN proper shipping name: not assigned	yes
14.4	packing group: not assigned to a packing group	packing group: not assigned	yes
14.7	transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN): not subject to ADR, RID and ADN.	transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information: not assigned	yes
16		abbreviations and acronyms: change in the listing (table)	yes
16	list of relevant phrases (code and full text as stated in chapter 2 and 3)		yes
16		list of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	yes
16	key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	yes

### abbreviations and acronyms

abbr.	descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
PBT	Persistent, Bioaccumulative and Toxic

## H3K9me3 Antibody - ChIP-seq Grade

version number: GHS 2.0  
replaces version of: 2020-02-18 (GHS 1)

revision: 2021-01-08

abbr.	descriptions of used abbreviations
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
vPvB	Very Persistent and very Bioaccumulative

### key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### classification procedure

physical and chemical properties: the classification is based on tested mixture.

health hazards, environmental hazards: the method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### disclaimer

this information is based upon the present state of our knowledge. this SDS has been compiled and is solely intended for this product.