

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

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

1.1 product identifier

trade name **DNMT3A Antibody**
product code(s) C15410085

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
e-mail: info@diagenode.com

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 acc. to GHS

| section | hazard class | category | hazard class and category | hazard statement |
|---------|---|----------|---------------------------|------------------|
| 3.4S | skin sensitisation | 1 | Skin Sens. 1 | H317 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | 2 | Aquatic Chronic 2 | H411 |

for full text of abbreviations: see SECTION 16.

the most important adverse physicochemical, human health and environmental effects
spillage and fire water can cause pollution of watercourses.

2.2 label elements

labelling

- signal word warning

- pictograms
GHS07, GHS09



DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

- hazard statements
 - H317 may cause an allergic skin reaction.
 - H411 toxic to aquatic life with long lasting effects.
- precautionary statements
 - P261 avoid breathing dust/fume/gas/mist/vapours/spray.
 - P273 avoid release to the environment.
 - P280 wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....
 - P333+P313 if skin irritation or rash occurs: Get medical advice/attention.
 - P362+P364 take off contaminated clothing and wash it before reuse.
 - P391 collect spillage.
 - P501 dispose of contents/container to industrial combustion plant.
- hazardous ingredients for labelling proclin 300

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 and 0,05% ProClin™ 300 as preservative.

| name of substance | identifier | wt% | classification acc. to GHS | pictograms |
|-------------------|--|------|--|---|
| proclin 300 | CAS No 55965-84-9 index No 613-167-00-5 | 0.05 | Acute Tox. 3 / H301 Acute Tox. 2 / H310 Acute Tox. 2 / H330 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 |  |

| name of substance | Specific Conc. Limits | M-Factors | ATE | exposure route |
|-------------------|---|--|--|---|
| proclin 300 | Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C ≤ 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C ≤ 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 % | M-factor (acute) = 100 M-factor (chronic) = 100 | 100 mg/kg 50 mg/kg 0.5 mg/√4h 0.05 mg/√4h | oral dermal inhalation: vapour inhalation: dust/mist |

for full text of abbreviations: see SECTION 16.

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.

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

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 (CO₂)

unsuitable extinguishing media

water jet

5.2 special hazards arising from the substance or mixture

hazardous combustion products

nitrogen oxides (NO_x)

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. if substance has entered a water course or sewer, inform the responsible authority.

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.

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

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

- packaging compatibilities
only packagings which are approved (e.g. acc. to ADR) may be used.

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.

| relevant DNELs of components of the mixture | | | | | | |
|---|------------|----------|------------------------|------------------------------------|-------------------|-------------------------|
| name of substance | CAS No | endpoint | threshold level | protection goal, route of exposure | used in | exposure time |
| proclin 300 | 55965-84-9 | DNEL | 0.02 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| proclin 300 | 55965-84-9 | DNEL | 0.04 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |

| relevant PNECs of components of the mixture | | | | | | |
|---|------------|----------|-----------------|-------------------|------------------------------|------------------------------|
| name of substance | CAS No | endpoint | threshold level | organism | environmental compartment | exposure time |
| proclin 300 | 55965-84-9 | PNEC | 3.39 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| proclin 300 | 55965-84-9 | PNEC | 3.39 µg/l | aquatic organisms | marine water | short-term (single instance) |
| proclin 300 | 55965-84-9 | PNEC | 0.23 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

| relevant PNECs of components of the mixture | | | | | | |
|---|------------|----------|-----------------|-----------------------|---------------------------|------------------------------|
| name of substance | CAS No | endpoint | threshold level | organism | environmental compartment | exposure time |
| proclin 300 | 55965-84-9 | PNEC | 0.027 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| proclin 300 | 55965-84-9 | PNEC | 0.027 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| proclin 300 | 55965-84-9 | PNEC | 0.01 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 exposure controls

appropriate engineering controls
general ventilation.

individual protection measures (personal protective equipment)

eye/face protection

wear eye/face protection.

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 |

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

| | |
|---------------------------|----------------|
| 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 |
|-----------------|----------------|

density and/or relative density

| | |
|-------------------------|---|
| density | not determined |
| relative vapour density | information on this property is not available |

| | |
|--------------------------|-----------------------|
| particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

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

see below "Conditions to avoid".

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.

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

SECTION 11: Toxicological information

11.1 information on toxicological effects

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 acc. to GHS

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.

respiratory or skin sensitisation

may cause an allergic skin reaction.

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

toxic to aquatic life with long lasting effects.

| aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|------------|----------|------------|-----------------------|---------------|
| name of substance | CAS No | endpoint | value | species | exposure time |
| proclin 300 | 55965-84-9 | LC50 | 0.07 mg/l | fish | 14 d |
| proclin 300 | 55965-84-9 | EC50 | →0.18 mg/l | aquatic invertebrates | 21 d |
| proclin 300 | 55965-84-9 | ErC50 | 45.6 µg/l | algae | 120 h |

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

12.2 persistence and degradability

| degradability of components of the mixture | | | | | | |
|--|------------|---------------------------|------------------|------|--------|--------|
| name of sub-stance | CAS No | process | degradation rate | time | method | source |
| proclin 300 | 55965-84-9 | carbon dioxide generation | 38.8 % | 29 d | | ECHA |

12.3 bioaccumulative potential

data are not available.

| bioaccumulative potential of components of the mixture | | | | |
|--|------------|-----|--------------------------------------|----------|
| name of substance | CAS No | BCF | log KOW | BOD5/COD |
| proclin 300 | 55965-84-9 | 54 | ∇-0.34 – ∩ 0.63 (pH value: 7, 10 °C) | |

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

it is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. completely emptied packages can be recycled. handle contaminated packages in the same way as the substance itself.

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 or ID number

| | |
|-----------|---------|
| ADR/RID | UN 3082 |
| IMDG-Code | UN 3082 |
| ICAO-TI | UN 3082 |

14.2 UN proper shipping name

| | |
|---------|---|
| ADR/RID | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
|---------|---|

DNMT3A Antibody



version number: GHS 1.0

date of compilation: 2022-09-16

| | |
|--|---|
| IMDG-Code | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| ICAO-TI | Environmentally hazardous substance, liquid, n.o.s. |
| technical name (hazardous ingredients) | sodium azide, proclin 300 |
| 14.3 transport hazard class(es) | |
| ADR/RID | 9 |
| IMDG-Code | 9 |
| ICAO-TI | 9 |
| 14.4 packing group | |
| ADR/RID | III |
| IMDG-Code | III |
| ICAO-TI | III |
| 14.5 environmental hazards | hazardous to the aquatic environment |
| environmentally hazardous substance (aquatic environment) | sodium azide, proclin 300 |
| 14.6 special precautions for user | |
| provisions for dangerous goods (ADR) should be complied within the premises. | |
| 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

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - additional information

| | |
|---|--|
| classification code | M6 |
| danger label(s) | 9, fish and tree |
|   | |
| environmental hazards | yes (hazardous to the aquatic environment) |
| special provisions (SP) | 274, 335, 375, 601 |
| excepted quantities (EQ) | E1 |
| limited quantities (LQ) | 5 L |
| transport category (TC) | 3 |
| tunnel restriction code (TRC) | - |
| hazard identification No | 90 |
| Emergency Action Code | 3Z |

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - additional information

| | |
|---------------------|------------------|
| classification code | M6 |
| danger label(s) | 9, fish and tree |



DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

| | |
|--------------------------|--------------------------|
| environmental hazards | yes (hazardous to water) |
| special provisions (SP) | 274, 335, 375, 601 |
| excepted quantities (EQ) | E1 |
| limited quantities (LQ) | 5 L |
| transport category (TC) | 3 |
| hazard identification No | 90 |

International Maritime Dangerous Goods Code (IMDG) - additional information

| | |
|------------------|---|
| marine pollutant | yes (hazardous to the aquatic environment) (sodium azide) |
| danger label(s) | 9, fish and tree |



| | |
|--------------------------|---------------|
| special provisions (SP) | 274, 335, 969 |
| excepted quantities (EQ) | E1 |
| limited quantities (LQ) | 5 L |
| EmS | F-A, S-F |
| stowage category | A |

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

| | |
|-----------------------|--|
| environmental hazards | yes (hazardous to the aquatic environment) |
| danger label(s) | 9, fish and tree |



| | |
|--------------------------|-----------------------|
| special provisions (SP) | A97, A158, A197, A215 |
| excepted quantities (EQ) | E1 |
| limited quantities (LQ) | 30 kg |

SECTION 15: Regulatory information

15.1 safety, health and environmental regulations/legislation specific for the substance or mixture national regulations (GB)

list of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

restrictions according to GB REACH, Annex 17

| dangerous substances with restrictions (GB REACH, Annex 17) | | | |
|---|--|--------|----|
| name of substance | name acc. to inventory | CAS No | No |
| DNMT3A Antibody | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | | 3 |

15.2 Chemical Safety Assessment

chemical safety assessments for substances in this mixture were not carried out.

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

SECTION 16: Other information

abbreviations and acronyms

| abbr. | descriptions of used abbreviations |
|-----------------|---|
| Acute Tox. | Acute toxicity |
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Acute | Hazardous to the aquatic environment - acute hazard |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| EmS | Emergency Schedule |
| ErC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended) |
| 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 |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| log KOW | n-Octanol/water |

DNMT3A Antibody

version number: GHS 1.0

date of compilation: 2022-09-16

| abbr. | descriptions of used abbreviations |
|-------------|--|
| M-factor | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| 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) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| vPvB | Very Persistent and very Bioaccumulative |

key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). 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).

list of relevant phrases (code and full text as stated in section 2 and 3)

| code | text |
|------|---|
| H301 | Toxic if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

disclaimer

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