

Safety Data Sheet
29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

1 Identification**· Product identifier**

- **Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)**

- **Article number:** 3564184

- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

- **Application of the substance / the mixture** Laboratory reagent or component.

· Details of the supplier of the safety data sheet**· Manufacturer/Supplier:**

Bio-Rad
3, Boulevard Raymond Poincaré
F-92430 Marnes-la-Coquette
Tel.: +33 (0)1 47 95 60 00
Fax : +33 (0)1 47 41 91 33
e-mail: fds-msds.fr@bio-rad.com

- **Information department:** Customer support.

· Emergency telephone number:

See item 16

This SDS is listed with CHEMTREC 1-800-424-9300 / 1-703-527-3887.

Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT with this product.

This SDS is listed with CHEMTREC 1-800-424-9300 / 1-510-741-1000.

Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION

or ACCIDENT with this product.

This SDS is listed with CHEMTREC 1-800-424-9300 / 1-510-741-1000.

Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT with this product.

2 Hazard(s) identification**· Classification of the substance or mixture**

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· Label elements**· GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** Void

- **Signal word** Void

· Hazard statements

Harmful to aquatic life with long lasting effects.

· Precautionary statements

Avoid release to the environment.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

- **NFPA ratings (scale 0 - 4)**

Health = 2

Fire = 0

Reactivity = 0

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 1)

- **HMIS-ratings (scale 0 - 4)**
 - Health = 2
 - Fire = 0
 - Reactivity = 0
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture containing hazardous components.

- **Dangerous components:**

| | | | |
|------------|--------------|---|----------|
| 26628-22-8 | Sodium Azide |  Acute Tox. 2, H300  Aquatic Chronic 1, H410 | 0.1-2.5% |
|------------|--------------|---|----------|

4 First-aid measures

- **Description of first aid measures**
 - **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
 - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
 - **After skin contact:** Generally the product does not irritate the skin.
 - **After eye contact:** Rinse opened eye for several minutes under running water.
 - **After swallowing:** Immediately call a doctor.
 - **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed**

No further relevant information available.
 - **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
 - **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.
- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 3)

Safety Data Sheet
29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 2)

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
Prevent formation of dust.
Follow good laboratory practices.
 - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

26628-22-8 Sodium Azide

| | |
|-----|---|
| REL | Short-term value: C 0.3** mg/m ³ , C 0.1* ppm *as HN ₃ vapor; **as NaN ₃ ; Skin |
| TLV | Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as HN ₃ vapor **as NaN ₃ |

· **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:** Not required.
 - **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - **Eye protection:** Not required.

USA

(Contd. on page 4)

Safety Data Sheet

29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 3)

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Powder

- **Color:** Beige

- **Odor:** Characteristic

- **Change in condition**

- **Melting point/Melting range:** Undetermined.

- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** Not determined.

- **Solubility in / Miscibility with**

- **Water:** Soluble.

- **Solvent content:**

- **Organic solvents:** 0.0 %

- **Solids content:** 100.0 %

- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

- No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known.

- **Conditions to avoid** No further relevant information available.

- **Incompatible materials:** No further relevant information available.

- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

26628-22-8 Sodium Azide

| | | |
|------|------|----------------|
| Oral | LD50 | 27 mg/kg (rat) |
|------|------|----------------|

| | | |
|--------|------|-------------------|
| Dermal | LD50 | 20 mg/kg (rabbit) |
|--------|------|-------------------|

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

(Contd. on page 5)

Safety Data Sheet
29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 4)

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

· Carcinogenic categories**· IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**· Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· Behavior in environmental systems:

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· Ecotoxicological effects:

· **Remark:** Harmful to fish

· Additional ecological information:**· General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations**· Waste treatment methods****· Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

· **Recommendation:** Disposal must be made according to official regulations.

USA

(Contd. on page 6)

Safety Data Sheet
29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 5)

14 Transport information

| | | |
|---|-----------------------------|-----------------|
| · UN-Number | · DOT, ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | · DOT, ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | · DOT, ADR, ADN, IMDG, IATA | Void |
| · Class | | |
| · Packing group | · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | | |
| · Marine pollutant: | | No |
| · Special precautions for user | | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | | Not applicable. |
| · UN "Model Regulation": | | - |

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· Sara

· Section 355 (extremely hazardous substances):

| | |
|------------|--------------|
| 26628-22-8 | Sodium Azide |
|------------|--------------|

· Section 313 (Specific toxic chemical listings):

| | |
|------------|--------------|
| 26628-22-8 | Sodium Azide |
|------------|--------------|

· TSCA (Toxic Substances Control Act):

| | |
|-----------|------|
| 9002-18-0 | Agar |
|-----------|------|

| | |
|-----------|-------------|
| 8013-01-2 | Yeast, ext. |
|-----------|-------------|

| | |
|-----------|-----------------|
| 7647-14-5 | sodium chloride |
|-----------|-----------------|

| | |
|----------|----------|
| 531-75-9 | aesculin |
|----------|----------|

| | |
|-----------|----------------------------|
| 1185-57-5 | ammonium iron(III) citrate |
|-----------|----------------------------|

| | |
|------------|--------------|
| 26628-22-8 | Sodium Azide |
|------------|--------------|

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

29 CFR Part 1910.1200

Printing date 08/25/2015

Reviewed on 07/07/2015

Trade name: Gélose Bile Esculine Azide (déshydratée) (500 g)

(Contd. of page 6)

· Cancerogenity categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

26628-22-8 Sodium Azide

A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

USA - Clinical Diagnostic Group
 Bio-Rad Laboratories
 4000 Alfred Nobel Drive
 Hercules, California 94547
 Phone: +1(510) 724-7000

· Department issuing SDS:

SDS / FDS Administr.

Bio-Rad
 Marnes-la-Coquette, France

· Contact:

Customer Support
 Phone : +33 (0)1 47 95 61 85
 USA
 Bio-Rad Laboratories
 6565 185th Avenue NE
 Redmond, WA 98052-5039

Phone Number: 1-800-2BIORAD (1-800-224-6723) or (425) 881-8300 (daytime PST)

· Date of preparation / last revision 08/25/2015 / -
· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 Acute Tox. 2: Acute toxicity, Hazard Category 2
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3