



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Doc. N° 311501BL rev.1
Date of issue: 16/03/2015

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

1.1 Product identifiers

Product name:
Product Number:

ADRENALINE 5 mM
311501BL

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

Identified uses:

Laboratory chemicals. Reagent for platelet aggregation test

1.3 Details of the supplier of the safety data sheet

Company :

Mascia Brunelli S.p.A.
Viale Monza 272, 20128 Milano, Italia.
Tel.: 0039 02 25209.1
Fax: 0039 02 2576428
E-mail: mktg@masciabrunelli.it

1.4 Emergency telephone number

Emergency Phone #

0039 02-6610-1029 (Centro Antiveleni Niguarda Ca' Granda Milano)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302
Causes serious damage to eyes (Category 1), H318

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

2.2 Label elements

according to Regulation (EC) No 1272/2008

Pictogram
Signal word
Hazard statement(s)
H302
H318



Danger

harmful if swallowed
causes serious damage to eyes

Precautionary statement(s)
P264
P270
P301 + P312

Wash hands thoroughly after use
Do not eat, drink or smoke during use
if swallowed call a POISON CENTER or doctor/
physician.

P330
P280

Rinse mouth
Wear protective gloves / protective clothing / eye/face
protection

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P305+P351+P338

IN CASE OF EYE CONTACT rinse thoroughly for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician.

Supplemental Hazard

Restricted to professional users.

2.3 Other hazards -

none

3. Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Epinephrine		
N° CAS 51-43-4 N° CE 200-098-7	Acute Tox. 3(dermal); Acute Tox. 2(oral) H301+H331, H310	9.1%
Sodium metabisulfite		
N° CAS 7681-57-4 N° CE 231-673-0	Acute Tox. 4(oral); Eye dam. 1 H302; H318; EUH031	4.8%

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Epinephrine		
N° CAS 51-43-4 N° CE 200-098-7	T, R23/24/25	9.1%
Sodium metabisulfite		
N° CAS 7681-57-4 N° CE 231-673-0	Xn, R22 – R31 – R41	4.8%

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

4. First aid measures

4.1 Description of first aid measures

General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.



In case of eye contact Wash thoroughly eyes with plenty of water for at least 15 minutes. Consult a physician.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)
Sulfur oxides, Sodium oxides.

5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Riferimenti ad altre sezioni

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Use disposable gloves. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities



Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2-8 °C Sensitive to light. Store in an inert atmosphere. Sensitive to air and moisture. Never allow product to get in contact with water during storage. Do not store near acids.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

It doesn't contain substances with occupational exposure limit value.

8.2 Exposure controls

Appropriate engineering controls

Restricted to professional users.

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties



a) Appearance Form:	powder
	Colore: white
Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	not explosive
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	soluble
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

9.2 Other safety information no data available

10. Stability and reactivity

10.1 Reactivity no data available

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions no data available

10.4 Conditions to avoid exposure to air. Heat

10.5 Incompatible materials acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Alkalis, Copper, Iron, Silver/silver oxides, Zinc, Metals, tannins, Sulfuric acid.

10.6 Hazardous decomposition products Other decomposition products - no data available.
In the event of fire: see section 5

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity no data available. The mixture contains adrenaline (epinephrine), very toxic by contact, its concentration in the mixture does not give rise to labeling, however, put a lot of attention.

Skin corrosion/irritation no data available

