

RUBRIQUE 1: Identification

1.1 Identification

Product Name: **Phosphate Buffer,**

Product Code: GT100107, GT100207, GT100407, GT100507

1.2 Relevant identified uses of substance or mixture and not recommended uses

Identified uses: Laboratory chemicals,

1.3 Information about the security data sheet provider

Company: em-grade.com distributed by Delta
Microscopies

22bis, Saint-Ybars Road
31190 MAURESSAC - FRANCE

Phone: (33) 05 61 73 60 14

Fax: (33) 05 61 80 78 53

Email address: info@em-grade.com

1.4 Emergency call number

Emergency Call Number in France: 01 45 42 59 59 (ORFILA)

RUBRIQUE 2: Identification of hazards

2.1 Classification of substance or mixture:



GHS07

Acute Tox. 4

H312 *Harmful in contact with skin*

2.2 Labeling items:

Regulation Labeling (EC) 1272/2008 [CLP]

Danger pictograms



GHS07

Warning mention: *Attention*

Danger mentions:

H312 *Harmful in contact with skin*

Cautionary tips:

P280 *Wear protective gloves/protective clothing/eye/face protection equipment*

P312

P321 *Specific treatment (see ... on this label)*
 P302+P352 *IF ON SKIN: Wash with plenty of water/...*
 P362+P364 *Take off contaminated clothing and wash it before reuse*
 P501

2.3 Other dangers:
 Results of PBT and vPvB evaluations: Not applicable

RUBRIQUE 3: Composition/component information

3.1 Substances:
 not applicable

3.2 Mixture:

designation	CASE No.	Number EC	% mass
Di sodium hydrogen phosphate	7558-79-4	231-448-7	<4
Sodium Dihydrogen phosphate	10049-21-5	231-449-2	<12
Distilled water	7732-18-5	231-791-2	>84

RUBRIQUE 4: First aid

4.1 Description of first aid

General notes:

Symptoms of intoxication may appear after many hours only medical supervision is therefore necessary at least 48 hours after an accident.

If inhaled

Give fresh air. Respiratory assistance if necessary. Keep the patient warm. If the disorder persists, seek medical attention. In case of unconsciousness, lie down and transport the person in a stable lateral position.

In case of contact with the skin

Wash immediately with soap and water and rinse thoroughly.

In case of eye contact

Rinse eyes for several minutes under running water, spreading the eyelids well. If the disorder persists, seek medical attention.

If swallowed

Don't vomit, urgently seek medical help

4.2 Main symptoms and effects, acute and delayed

No other important information available.

- 4.3 Indications of any immediate medical care and special treatment required
No other important information available

RUBRIQUE 5: Firefighting measures

- 5.1 Ways to extinguish
Adapt fire suppression measures to the environment.
- 5.2 Specific hazards resulting from substance or mixture
No other important information available.
- 5.3 Advice to firefighters
Porter a breathing apparatus

RUBRIQUE 6: Measures in case of accidental dispersal

- 6.1 Individual precautions, protective equipment and emergency procedures
You don't have to.
- 6.2 Precautions for environmental protection
If you enter the water or sewers, notify the relevant authorities
Do not discharge into pipes, surface water and groundwater
- 6.3 Containment and cleaning methods and equipment
Evacuate contaminated materials as waste in accordance with point 13. Ensure sufficient ventilation.
- Reference to other topics**
For information for safe handling, see Chapter 7. For information on personal protective equipment, see Chapter 8. For information on disposal, see Chapter 13.

RUBRIQUE 7: Manipulation and storage

- 7.1 Precautions to Take for Safe Handling
Ensure proper ventilation/aspiration of the workstation. Open and handle containers with care
Preparing for a hand explosion
No special measures required.
- 7.2 Conditions for safe storage, including possible incompatibilities
No special requirements. Keep containers closed.
- 7.3 Special Final Use
Laboratory use

RUBRIQUE 8: Exposure controls/individual protection

- 8.1 Control Settings
This document is based on the lists in place at the time of its development.
- 8.2 Exposure control
General protection and hygiene measures



Keep away from food, beverages and pet food. Immediately remove soiled or moistened clothing. Wash your hands before breaks and at the end of work. Keep protective clothing separately

Personal protective measures, such as personal protective equipment

Eye and face protection

Safety goggles with side protections

Skin protection

Long-sleeved clothing

Wear appropriate gloves. Consider the information given by the supplier regarding permeability and penetration times, and the specific conditions of the workplace (mechanical constraints, contact time).

Respiratory protection

If exposed to low or short duration, use a breathing filter; In case of intense or long-lasting exposure, use a breathing apparatus independent of ambient air.

Heat hazards

nothingness

Environmental protection measures

No information available

RUBRIQUE 9: Physical and chemical properties

9.1 Information on essential physical and chemical properties

Appearance: Fluid

Color: colorless

Smell: odorless

Olfactory threshold: data not available

pH: 6.9 -7. 4

Melting point: data not available

Boiling point/interval: data not available

Flashpoint: data not available

Flammability (solid, gas): the substance is not flammable

Decomposition temperature: data not available

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

Explosive limit, higher: data not available

Explosive limit, lower: data not available



Vapor pressure at 20 °C (68 °F): 14 mmHg

Relative density: undetermined

Relative steam density: not applicable

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity, dynamic: not applicable

Viscosity, cinematic: not applicable

9.2 More information

void

RUBRIQUE 10: Stability and responsiveness

10.1 reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition in case of compliant use.

10.3 Possibility of dangerous reaction

Dangerous polymerization: No information available.

Dangerous reactions: No known dangerous reaction

10.4 Conditions to avoid

No other important information available

10.5 Incompatible materials

None known.

10.6 Dangerous composition products

None under normal conditions of use.

RUBRIQUE 11: Toxicological information

11.1 Toxicological Effects Information

Acute toxicity

Skin corrosion/skin irritation

Irritant to skin and mucous membranes.

Severe eye damage/eye irritation

No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

carcinogenicity

May cause cancer.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Specific toxicity for certain target organs - single exposure

Based on the available data, the classification criteria are not met

Specific toxicity for certain target organs - repeated exposure

Based on the available data, the classification criteria are not met

Danger by suction

Based on the available data, the classification criteria are not met

RUBRIQUE 12: Ecological information

12.1 Toxicity

No other important information available.

12.2 Persistence and degradability

No other important information available.

12.3 Bioaccumulation Potential

No other important information available.

12.4 Mobility in the ground

No other important information available.

Other ecological indications:

Water Pollution Category 1 (D) (Clean Classification): Low-polluting Do not allow the product, undiluted or in large quantities, to penetrate the water table, water or pipes. In the waters, also toxic to fish and plankton. Very toxic for aquatic organisms.

12.5 Results of PBT and vPvB evaluations

not applicable

12.6 Other adverse effects

No other important information available.

RUBRIQUE 13: Elimination considerations

13.1 Waste Treatment Methods

product

Should not be evacuated with household garbage. Do not let it enter the sewers.

Contaminated packaging

Empty the leftovers. Eliminate the product in accordance with local regulations. Do not reuse empty containers.

Recommended cleaning product: Water, possibly with cleaning products

RUBRIQUE 14: Transportation information



14.1 UN Number ADR	<i>Void</i>
14.2 United Nations Shipping Name ADR	<i>Void</i>
14.3 Transport Danger Class ADR	<i>Void</i> class label
IMDG, IATA	class label
14.4 Packing Group ADR, IMDG, IATA	<i>Void</i>
14.5 DAngers for the environment	<i>No applicable</i>
14.6 Special precautions to be taken by the user	<i>No applicable</i>
14.7 Bulk transport in accordance with Schedule II of the MARPOL Convention and the IBC	<i>No applicable</i>
UN "standard rules"	<i>Void</i>

RUBRIQUE 15: Regulatory information

- 15.1 Regulations/Legislation specific to the substance or mix of safety, health and the environment
Directive 2012/18/EU, Appendix I: none of the components are included
RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII limitation condition : 3
- 15.2 Chemical Safety Assessment
Chemical Safety Assessment / Reports (CSA / CSR) has not been completed

RUBRIQUE 16: More information

These indications are based on the current state of our knowledge, but do not constitute a guarantee as to the properties of the product and do not give rise to a contractual legal relationship. They do not claim to be exhaustive and should be considered as a guide

Acronyms and abbreviations:

ADR: European Agreement on the Transport of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute Toxicity - Inhalation - Category 3

Acute Tox. 4: Acute Toxicity - Oral - Category 3

Carc. 1A: Cancer - Category A

Aquatic Chronic 1: Danger to the aquatic environment - chronic toxicity - category 1

End of the SDS