

## RUBRIQUE 1: Identification

### 1.1 Identification

Product Name: **Sodium Cacodylate Buffer 0.4 M,**

Product Code: GT110469, GT110470, GT110471, GT110472, GT110473, GT110474

### 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](mailto: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      H302 *Harmful if swallowed*

### 2.2 Labeling items:

Regulation Labeling (EC) 1272/2008 [CLP]

#### Danger pictograms



**GHS07**

**Warning mention:** *Danger*

**Dangerous components for labelling:** *Sodium Cacodylate trihydrate*

#### Danger mentions:

H302      *Harmful if swallowed*

## Cautionary tips:

- P264 *Wash thoroughly after handling*  
 P270 *Do not eat, drink or smoke when using this product*  
 P301+312 *If swallowed: call a poison control centre/doctor for discomfort*  
 P330 *Rinse mouth.*  
 P501 *Eliminate content/container in accordance with local/regional/national/international I regulations.*

- 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
Sodium Cacodylate trihydrate	6131-99-3	204-708-2	<10
distilled water	7732-18-5	231-791-2	>90

## RUBRIQUE 4: First aid

### 4.1 Description of first aid

#### General notes:

Immediately remove clothing contaminated with the product. Do not remove respiratory protection until contaminated clothing has been removed. Artificial breathing in the case of irregular breathing or respiratory arrest.

#### 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

Keep breathing apparatus ready

**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: Crystalline

Physical status: Liquid

Color: colorless

Smell: Inodore

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

Self temperature-flammability: data not available

Explosive limit, higher: data not available

Explosive limit, lower: data not available

Density at 20oC: undetermined

Relative density: undetermined

Relative steam density: not applicable

Decomposition temperature: data not available

Hydrosolubility: soluble

Sharing coefficient: noctanol/water: data not available

Viscosity, dynamic: not applicable

Viscosity, cinematic: not applicable

## 9.2 More information

void

## RUBRIQUE 10: Stability and responsiveness

### 10.1 reactivity

None known from the information provided

### 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

Harmful if swallowed, Toxic by inhalation

#### Skin corrosion/skin irritation

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

#### Severe eye damage/eye irritation

Based on available data, classification criteria are not met Respiratory or Skin

## Awareness

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

## Mutagenicity on germ cells

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

## 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 <b>ADR</b>	<i>UN1688</i>
14.2 United Nations Shipping Name <b>ADR</b>	<i>1688 sodium cacodylate, dangerous to the environment</i>
14.3 Transport Danger Class  ADR	class <i>6.1 Toxic Materials</i> label <i>6.1</i>
IMDG, IATA	class <i>6.1 Toxic Materials</i> label <i>6.1</i>
14.4 Packing Group <b>ADR, IMDG, IATA</b>	<i>Ii</i>
14.5 DAngers for the environment	<i>Conventional sign(fish and tree)</i>
14.6 Special precautions to be taken by the user	<i>No data available</i>
14.7 Bulk transport in accordance with Schedule II of the MARPOL Convention and the IBC	<i>No data available</i>
UN "standard rules"	<i>No data available</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
- 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

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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