

SAFETY DATA SHEET

Exazym® Wash Buffer

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name: Exazym® Wash Buffer
Product no.: 20-2005-xx

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

Relevant identified uses of the substance or mixture: Laboratory use
 Restricted to professional users.
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Cavidi AB**
 Virdings Allé 2
 SE-754 50 Uppsala
 Sweden
 +46 707380729

Contact person: Cavidi AB
E-mail: support@cavidi.se
SDS date: 12/14/2023
SDS Version: 1.0

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
 See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements

Hazard pictogram(s): Not applicable.
Signal word: Not applicable.
Hazard statement(s):
Precautionary statement(s):
General: -
Prevention: -
Response: -
Storage: -

Disposal:

-

Additional labelling:

Not applicable.

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Does not contain any substances required to report

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops. Remove contact lenses.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material: Keep only in original packaging.

Storage temperature: Dry, cool and well ventilated

Incompatible materials: Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2. Exposure controls

Control is unnecessary if the product is used as intended.


| | |
|--------------------------------------------------|----------------------------------------------------------------------------------------|
| <i>General recommendations:</i> | Smoking, drinking and consumption of food is not allowed in the work area. |
| <i>Exposure scenarios:</i> | There are no exposure scenarios implemented for this product. |
| <i>Exposure limits:</i> | Occupational exposure limits have not been defined for the substances in this product. |
| <i>Appropriate technical measures:</i> | Apply standard precautions during use of the product. Avoid inhalation of gas or dust. |
| <i>Hygiene measures:</i> | Wash hands after use. |
| <i>Measures to avoid environmental exposure:</i> | No specific requirements. |

Individual protection measures, such as personal protective equipment


Generally: Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:
No specific requirements


Skin protection:

| Recommended | Type/Category | Standards | |
|-----------------------------------------|---------------|-----------|---------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | - | - |  |

Hand protection:

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------|----------------------|--------------------------|-------------------------|---------------------------------------------------------------------------------------|
| Nitrile | 0,2 | > 480 | EN374-2, EN374-3, EN388 |  |

Eye protection:

| Work situation | Type | Standards | |
|-------------------------------------------------------|-----------------------------------|-----------|---------------------------------------------------------------------------------------|
| When there is risk of splash- / intermittent exposure | Safety glasses with side shields. | EN166 |  |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------------------------------|------------------------------------------------------------------------|
| <i>Physical state:</i> | Tablets |
| <i>Colour:</i> | White |
| <i>Odour:</i> | Faint |
| <i>Odour threshold (ppm):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>pH:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Density (g/cm³):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Kinematic viscosity:</i> | Does not apply to solids. |

Phase changes

| | |
|-------------------------------------------------------|------------------------------------------------------------------------|
| <i>Melting point (°F):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Softening point/range (waxes and pastes) (°F):</i> | Does not apply to solids. |
| <i>Boiling point (°F):</i> | Does not apply to solids. |
| <i>Vapour pressure:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Relative vapour density:</i> | Does not apply to solids. |
| <i>Decomposition temperature (°F):</i> | Testing not relevant or not possible due to the nature of the product. |

Data on fire and explosion hazards

| | |
|----------------------------------------|------------------------------------------------------------------------|
| <i>Flash point (°F):</i> | Does not apply to solids. |
| <i>Flammability (°F):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Auto-ignition temperature (°F):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Explosion limits (% v/v):</i> | Does not apply to solids. |

Solubility

| | |
|----------------------------------------------|------------------------------------------------------------------------|
| <i>Solubility in water:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>n-octanol/water coefficient (LogKow):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Solubility in fat (g/L):</i> | Testing not relevant or not possible due to the nature of the product. |

9.2. Other information

| | |
|------------------------------------------------|------------------------------------------------------------------------|
| <i>Sensitivity to shock:</i> | No |
| <i>Other physical and chemical parameters:</i> | No data available. |
| <i>Oxidizing properties:</i> | Testing not relevant or not possible due to the nature of the product. |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity**

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Long term effects

None known.

Other information

None known.



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity**
No data available.
- 12.2. Persistence and degradability**
No data available.
- 12.3. Bioaccumulative potential**
No data available.
- 12.4. Mobility in soil**
No data available.
- 12.5. Results of PBT and vPvB assessment**
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
- 12.6. Other adverse effects**
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-------------------------|-----------------------------------------|----------------------------------|---------------------|-----------------------|-------------------------------|
| DOT | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance

or mixture

15.2. U.S. Federal regulations

| | |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <i>TSCA (the non-confidential portion):</i> | Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is listed |
| <i>Clean Air Act:</i> | None of the components are listed |
| <i>EPCRA Section 302:</i> | None of the components are listed |
| <i>EPCRA Section 304:</i> | None of the components are listed |
| <i>EPCRA section 313:</i> | None of the components are listed |
| <i>CERCLA:</i> | Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is regulated with a Reportable Quantity (RQ) of: 5000 pounds |

State regulations

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>California / Prop. 65:</i> | None of the components are listed |
| <i>Massachusetts / Right To Know Act:</i> | Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is listed |
| <i>New Jersey / Right To Know Act:</i> | Disodium hydrogenorthophosphate (Na ₂ HPO ₄) / Substance number: 1723 |
| <i>New York / Right To Know Act:</i> | — Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is listed Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is regulated with a Reportable Quantity (RQ) of: 5000 pounds Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds |
| <i>Pennsylvania / Right To Know Act:</i> | — Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is listed Disodium hydrogenorthophosphate (Na ₂ HPO ₄) is hazardous to the environment (E) |

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

15.6. Additional information

Not applicable.

15.7. Chemical safety assessment

No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 CERCLA = Comprehensive Environmental Response Compensation and Liability Act
 DOT = Department of Transportation
 EINECS = European Inventory of Existing Commercial chemical Substances
 EPCRA = Emergency Planning and Community Right-To-Know Act
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 HCIS = Hazardous Chemical Information System
 HNOC = Hazards Not Otherwise Classified
 IARC = International Agency for Research on Cancer
 IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NFPA = National Fire Protection Association
 NIOSH = National Institute for Occupational Safety and Health
 OECD = Organisation for Economic Co-operation and Development
 OSHA = Occupational Safety and Health Administration
 PBT = Persistent, Bioaccumulative and Toxic
 RCRA = Resource Conservation and Recovery Act
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN = REACH Registration Number
 SARA = Superfund Amendments and Reauthorization Act
 SCL = A specific concentration limit.
 STEL = Short-term exposure limits
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TSCA = The Toxic Substances Control Act
 TWA = Time weighted average
 UN = United Nations
 UVBC = Unknown or variable composition, complex reaction products or of biological materials
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with HCS (29 CFR 1910.1200(g)), a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

The safety data sheet is validated by

Johanna Magnusson

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en