Safety Data Sheet

According to 1907/2006/EC, Article 31 (REACH)
According to 1272/2008/EC (GHS/CLP)
According to Regulation (EU) 2020/878

Trade name: *Kit for citric acid determination* **Date of creation / revision:** *2024-10-06*

1. 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

TRADE NAME:
Kit for citric acid determination

ARTICLE NUMBER:
E08

COMPONENTS:

1) Bottle A: Buffer (45 mL)
2) Bottle B: Coenzyme (5 mL)
3) Bottle C: Buffer (10 mL)
4) Bottle D: enzymes (600 µL)
5) Standard (4 mL)

CONCERNING SAFETY, THE MIXTURES 1 TO 5, DUE TO COINCIDENT CATEGORIZATION, ARE COMBINED AS ONE GROUP AND TREATED BELOW.

1.2. APPLICATION OF THE SUBSTANCE / THE PREPARATION

Enzymatic kit for the quantitative determination of citric acid in fluids.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

MANUFACTURER/SUPPLIER:
Oenolab Diagnostics
12, rue de l'industrie
64700 Hendaye
France
Tel.: +33 (0) 9 53 52 54 88

EMAIL-ADRESS OF THE QUALIFIED PERSON:
labo@oenolab.com

1.4. EMERGENCY TELEPHONE NUMBER

In case of further inquiry please contact the telephone number +33 (0) 9 53 52 54 88 (technical service, business hours 8:30 a.m. to 4:30 p.m.) or any other adequate institution.

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC OR DIRECTIVE 1999/45/EC:

No classification applicable.

CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008:

The mixtures are not classified according to the CLP regulation.

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

The mixtures do not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest version.

CLASSIFICATION SYSTEM:

The mixtures are classified as nonhazardous according to the criteria of Directive 67/548/EEC and Directive 1999/45/EC or Regulation (EC) No 1272/2008.

2.2. LABEL ELEMENTS

LABELING ACCORDING TO REGULATION (EC) NO 1272/2008: Void.

HAZARD PICTOGRAMS: Void.

SIGNAL WORD: Void.

HAZARD STATEMENTS: Void.

2.3. OTHER HAZARDS

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARCTERIZATION: MIXTURES

DESCRIPTION:
Mixtures of substances with nonhazardous additions.

DANGEROUS COMPONENTS:
Void.

ADDITINAL INFORMATION:
For the wording of the listed risk phrases refer to section 16.

4. First aid measures



4.1. Description of first aid measures

General information:
First aider: Pay attention to self-protection!!
Remove any clothing soiled by the product.

After inhalation:
Remove to fresh air. Consult a doctor in case of complaints.

After skin contact:
Immediately rinse with water. If skin irritation continues, consult a doctor.

After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and drink a glass of water. Do not induce vomiting. If there is any trouble, seek medical help.

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

No further relevant information is available.

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

No further relevant information is available.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:
Use fire extinguishing methods suitable to surrounding conditions. CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:
For this mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Ambient fire may liberate hazardous vapours.
In the event of fire, the development of hazardous combustion gases or vapors is possible.
In case of fire, the following gases can be released: Dioxid, carbon monoxide and carbon dioxide.

5.3. Important Advice for Firefighters

Protective equipment:
Wear self-contained respiratory protective device. Wear a fully protective suit.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing.

6.2. Environmental Precautions

Do not allow to enter sewers/ground water or penetrate the soil.

6.3. Methods and Material for Containment and Cleaning Up

Absorb with liquid binding material (sand diatomite, acid binders, universal binders, sawdust).
Dispose of the material according to regulations.

6.4. Reference to Other Sections

See section 7 for information on safe handling.
See section 8 for information on personal protection requirements.
See section 13 for disposal information.

7. Handling and Storage

7.1. Precautions for Safe Handling

No special precautions are necessary if used correctly.

Information about fire – and explosion protection:
No special measures required.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage:

Requirements to be met by storerooms and receptables:
Store at a cool place.

Information about storage in one common storage facility:
Store away from foodstuffs.

Further information about storage conditions:
None.

Recommended storage temperature:
2-8°C

7.3. Specific End Use(s)

No further relevant information is available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES:
No further data; see item 7.

8.1. CONTROL PARAMETERS

INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT WORKPLACE:
The mixtures do not contain any relevant quantities of materials with critical values that have to be monitored at the working place.

ADDITIONAL INFORMATION:
The lists valid during the making were used as basis.

8.2. EXPOSURE CONTROLS

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL PROTECTIVE AND HYGIENIC MEASURES:
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.

INDIVIDUAL PROTECTION MEASURES:
Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

RESPIRATORY PROTECTION:



Not required.

PROTECTION OF HANDS:



Protective gloves – The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Nitrile, thickness: ≥ 0.11 mm
The selection of the suitable gloves does not only depend on the material, but alos on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

PENETRATION TIME OF GLOVE MATERIAL:
Value of the permeation: Level ≥ 6
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION:



Tightly sealed goggles.

BODY PROTECTION:



Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	BOTTLE A	BOTTLE B	BOTTLE C	BOTTLE D	STANDARD
GENERAL INFORMATION					
APPEARANCE:					
FORM:	fluid	fluid	fluid	fluid	fluid
COLOUR:	colourless	colourless	colourless	white	colourless
ODOUR:	odourless	odourless	odourless	odourless	odourless
ODOUR THRESHOLD:	No information available	No information available	No information available	No information available	No information available
PH-VALUE AT 25°C:	8.0 – 8.5	9.5 – 10.0	8.0 – 8.5	6.2 – 7.2	4.0 – 5.0
CHANGE IN CONDITION:					
MELTING POINT/ MELTING RANGE:	No information available	No information available	No information available	No information available	No information available

PROPERTY	BOTTLE A	BOTTLE B	BOTTLE C	BOTTLE D	STANDARD
BOILING POINT/BOILING RANGE	100 °C	100 °C	100 °C	100 °C	100 °C
FLASH POINT:	No information available	No information available	No information available	No information available	No information available
FLAMMABILITY (SOLID, GASEOUS)	No information available	No information available	No information available	No information available	No information available
IGNITION TEMPERATURE:					
DECOMPOSITION TEMPERATURE:	No information available	No information available	No information available	No information available	No information available
SELF-IGNITING:	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting
DANGER OF EXPLOSION:	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard
EXPLOSION LIMITS:					
LOWER:	No information available	No information available	No information available	No information available	No information available
UPPER:	No information available	No information available	No information available	No information available	No information available
OXIDIZING PROPERTIES	No information available	No information available	No information available	No information available	No information available
VAPOUR PRESSURE AT 20 °C:	No information available	No information available	No information available	No information available	No information available
DENSITIY:					
DENSITY AT 20 °C:	No information available	No information available	No information available	No information available	No information available
VAPOUR DENSITY:	No information available	No information available	No information available	No information available	No information available
EVAPORATION RATE:	No information available	No information available	No information available	No information available	No information available
PARTICLE CHARACTERISTICS	No information available	No information available	No information available	No information available	No information available
SOLUBILITY IN / MISCIBILITY WITH WATER:	Fully miscible	Fully miscible	Fully miscible	Fully miscible	Fully miscible

PROPERTY	BOTTLE A	BOTTLE B	BOTTLE C	BOTTLE D	STANDARD
PARTITION COEFFICIENT (N-OCTANOL/WATER)	No information available	No information available	No information available	No information available	No information available
VISCOSITY:					
DYNAMIC:	No information available	No information available	No information available	No information available	No information available
KINEMATIC:	No information available	No information available	No information available	No information available	No information available

9.2. OTHER INFORMATION

No further relevant information is available.

10. STABILITY AND REACTIVTY

10.1. REACTIVITY

No information is available.

10.2. CHEMICAL STABILITY

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED
No decomposition if used and stored according to specifications.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reactions known.

10.4. CONDITIONS TO AVOID

No information is available.

10.5. INCOMPATIBLE MATERIALS

No information is available.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known.
In case of fire see item 5.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

ACUTE TOXICITY:

LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:
Quantitative data on the toxicity of the mixtures are not available.

PRIMARY IRRITANT EFFECT:

ON THE SKIN:
No irritating effect known.

ON THE EYES:
No irritating effect known.

AFTER INHALATION:
No irritating effect known.

SENSITIZATION:
No sensitizing effects known.

CMR EFFECTS:

GERM CELL MUTAGENICITY:
No information available.

CARCINOGENICTY:
No information available.

REPRODUCTIVE TOXICITY:
No information available.

ASPIRATION HAZARD:

No aspiration toxicity classification.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:

The mixtures are not classified as specific target organ toxicant, single exposure.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:

The mixtures are not classified as specific target organ toxicant, repeated exposure.

ADDITIONAL TOXICOLOGICAL INFORMATION:

We have no description of any toxicological symptoms.

11.2. FURTHER INFORMATION

The product should be handled with the care ususal when dealing with chemicals.

ADDITIONAL TOXICOLOGICAL INFORMATION:
When used and handled according to specifications, the mixtures do not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY

AQUATIC TOXICITY:

Quantitative data on the ecological effect of the mixtures are not available.

12.2. PERSISTENCE AND DEGRADABILITY

No further relevant information is available.

12.3. Bioaccumulative potential

No further relevant information is available.

12.4. Mobility in soil

No further relevant information is available.

Ecotoxical effects:

Remark:
Water hazard class 1 (German Regulation) (Self-assessment) – Do not allow to enter waters, sewers or soil.

12.5. Results of PBT and vPvB assessment

PBT:
Not applicable.

vPvB:
Not applicable.

12.6. Endocrine disrupting properties

No further relevant information available

12.7. Other adverse effects

No further relevant information is available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation:
This material and its container must be disposed of as hazardous waste.
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging:

Recommendation:
Disposal according to official regulations.

Recommended Cleansing agents:
Water, if necessary together with cleansing agents.

14. Transport information

14.1. UN-Number

ADR, IMDG, IATA:
Void.

14.2. UN proper shipping name

ADR:
Void.

IMDG, IATA:

Void

14.3. TRANSPORT HAZARD CLASS(ES)
Void.

14.4. PACKING GROUP

ADR, IMDG, IATA:
Void.

14.5. ENVIRONMENTAL HAZARDS

MARINE POLLUTANT :
No.

14.6. SPECIAL PRECAUTIONS FOR USER

Not applicable.

14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

Not applicable.

UN „MODEL REGULATION “:
Void.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCES OR MIXTURE

NATIONAL REGULATIONS:

INFORMATION ABOUT LIMITATION OF USE:
Employment restrictions concerning juveniles must be observed.

WATERHAZARD CLASS:
Water hazard class 1 (Self assessment): slightly hazardous for water.

15.2. CHEMICAL SAFETY ASSESSMENT

A chemical saftety 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.

RELEVANT PHRASES:
Void.

DEPARTMENT ISSUING MSDS:
Department R & D

CONTACT:
+33 (0) 9 53 52 54 88, labo@oenolab.com

ABBREVATIONS 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)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
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
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LD50: Letale Dose, 50 percent (Not relevant for classification)
LC50: Letale concentration, 50 percent (Not relevant for classification)