

## **SAFETY DATA SHEET**

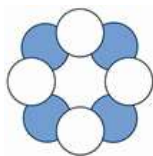
**Refractometric solutions  $0 \leq ^\circ\text{BX} \leq 60$**

Safety Data Sheet in compliance with EC Regulation 1907/2006 (REACH), Annex II updated by Regulation (EU) 2020/878

### **TABLE OF CONTENTS**

- SECTION ① : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY**
- SECTION ② : HAZARDS IDENTIFICATION**
- SECTION ③ : COMPOSITION/INFORMATION ON INGREDIENTS**
- SECTION ④ : FIRST AID MEASURES**
- SECTION ⑤ : FIRE-FIGHTING MEASURES**
- SECTION ⑥ : MEASURES IN THE EVENT OF UNINTENTIONAL RELEASE**
- SECTION ⑦ : HANDLING AND STORAGE**
- SECTION ⑧ : MONITORING OF EXPOSURE / PERSONAL PROTECTION**
- SECTION ⑨ : PHYSICAL AND CHEMICAL PROPERTIES**
- SECTION ⑩ : STABILITY AND REACTIVITY**
- SECTION ⑪ : TOXICOLOGICAL INFORMATION**
- SECTION ⑫ : ENVIRONMENTAL INFORMATION**
- SECTION ⑬ : DISPOSAL CONSIDERATIONS**
- SECTION ⑭ : INFORMATION ON TRANSPORT**
- SECTION ⑮ : REGULATORY INFORMATION**
- SECTION ⑯ : MORE INFORMATION**





## Section 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

### 1.1 Product identification

**Product part number:** Various.

**Commercial name:** H<sub>2</sub>O e C<sub>12</sub> H<sub>22</sub> O<sub>11</sub>

### 1.2. Identified relevant uses of the substance or mixture and not recommended uses

No further information is available.

**Stage of the life cycle**

IS Use at industrial sites.

F Formulation or repacking.

**Identified uses**

SU3 Industrial uses: uses of substances on their own or in preparations at industrial sites.

SU9 SU9 Manufacture of fine chemical products.

SU10 Formulation [mixing] of preparations and/or repacking (except alloys).

SU24 Scientific research and development.

**Products category**

PC21 Laboratory Chemical Substances.

**Process category**

PROC15 Use as laboratory reagents.

**Category of release into the environment**

ERC1 Production of chemical substances.

ERC2 Formulation of preparations.

**Use of Substance / Preparation**

Laboratory Chemicals.

### 1.3 Details of the supplier of the safety data sheet

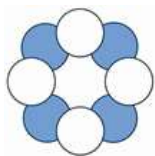
**Supplier company:** CHEMIFARM s.r.l.;

Via E.T. Moneta 15/A

Q.re S.P.I.P 43122 Parma

Email : [info@chemifarm.it](mailto:info@chemifarm.it)





#### 1.4 Emergency contacts

Refer to your Country's emergency numbers and poison centers

### Sezione 2. HAZARDS IDENTIFICATION

#### 2.1. Classification according to Regulation (EC) 1272/2008 [CLP]

**Classification of the substance / mixture**

Not applicable.

**Classification according to Regulation CEE n.1272/2008:**

The product is not classified in accordance with the CLP Regulation

#### 2.2. Label elements

**Hazard labelling according to Regulation CEE 1272/2008:** Not applicable.

**Hazard pictograms:** Not applicable.

**Hazardous components which determine labelling:** None.

#### 2.2.3 Caution

Not applicable.

#### 2.2.4 Hazard statements

Not applicable.

#### 2.2.5 Safety advice

Not applicable.

#### 2.3. Other hazards

No other hazards.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Mixture content:

**Mixture of the following substances:**

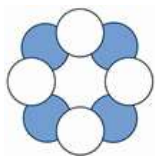
**Sucrose concentration <60%**

CAS 57-50-1 EINECS 200-334-9

CE numbers:200-334-9

**Dangerous substances:** Not applicable.





## Section 4. FIRST AID MEASURES

**General information:** no special measures required.

### 4.1. Description of first aid measures

#### 4.1.1 When inhaled

Bring in well-ventilated area.

In the event of symptoms consult your doctor.

#### 4.1.2 In case of contact with the skin

Generally the product is not irritating to the skin.

#### 4.1.3 In case of contact with eyes

No special measures required.

#### 4.1.4 When ingested

If symptoms of malaise persist consult your doctor.

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

Information not available.

INFORMATION FOR DOCTOR: show this safety data sheet.

### 4.3. Indication of possible need for immediate doctor's attention and special treatment

Information not available.

## Section 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing agents

APPROPRIATE EXTINCTION MEDIA

CO<sub>2</sub>, extinguishing powder or water spray.

### 5.2. Specific hazards associated with the substance or mixture

Carbon monoxide and carbon dioxide.

### 5.3. Recommendations for firefighting operators

EQUIPMENT

Standard firefighting equipment, such as an open-circuit compressed air respirator (EN 137), fireproof suit (EN469), fireproof gloves (EN 659) and fire brigades boots (HO A29 or A30).

## Section 6. MEASURES IN THE EVENT OF UNINTENTIONAL RELEASE

### 6.1. Individual precautions, safety equipment and emergency procedures

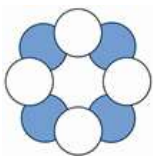
In case of vapours, adopt respiratory protection.

In the case of aerosols, use personal protective equipment.

### 6.2. Environmental precautions

No special precautions are required.





### 6.3. Methods and materials for containment and remediation

No special precautions are required.

### 6.4. Reference to other sections

Information relating to the self protection and disposal, where applicable, can be found in sections 8 and 13.

For details about safe handling, see Chapter 7.

## Section 7. HANDLING AND STORAGE

### 7.1. Safe handling procedures

No special measures are required

### 7.2. Secure storage requirements, including incompatibilities

No special measures are required.

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

### 7.3. Special end-uses

Information not available.

## Section 8. MONITORING OF EXPOSURE / PERSONAL PROTECTION

### 8.1. Control parameters

Further information on the structure of technical facilities:

No further information, see point 7.

Components whose limit values must be monitored in the workplace: 57-50-1 Sucrose TWA 10 mg/m<sup>3</sup> A4.

**Additional information:** The lists valid on the compilation date have been used as a basis.

### 8.2. Exposure control

Follow usual safety precautions while handling chemicals.

Follow good standards of industrial hygiene.

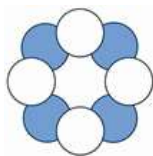
**HAND PROTECTION:** Protect hands with category III work gloves (ref. EN 374). Compatibility, degradation, breaking time and permeation must be considered when choosing the material of work gloves. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use because it is not foreseeable. Gloves have a wear time that depends on the duration and mode of use.

**SKIN PROTECTION:** Choose body protection based on the presence and concentration of hazardous substances in the workplace.

Wear work clothes with long sleeves and safety footwear for professional use of category II (ref. Regulation 2016/425 and EN ISO 20344).

**EYE PROTECTION:** Safety goggles.





**RESPIRATORY PROTECTION:** Protective mask required.

**ENVIRONMENTAL EXPOSURE CONTROLS:** Emissions from production processes, including those from ventilation equipment, should be controlled in order to comply with environmental protection legislation.

In case of accidental release see Chapter 6 of the safety data sheet.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on fundamental physical and chemical properties

Physical state:	Liquid
Color:	Colorless
Odor:	Odorless
Olfactory threshold:	Not available
pH:	Not available
Melting or freezing point:	Not available
Initial boiling point:	Not available
Boiling range:	Not available
Flashpoint:	Not applicable
Evaporation rate:	Not available
Flammability of solids and gases:	Not available
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Lower explosivity limit:	Not available
Upper explosivity limit:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility:	Miscible in water
Partition coefficient n-octanol/water:	Not available
Self-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable

### 9.2. Other information

No further information available.

## Section 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

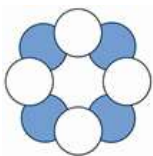
No dangerous reactions are known.

### 10.2. Chemical stability

The product is stable under normal conditions of use and storage.







### 10.3. Potential for hazardous reactions

See 10.1

### 10.4. Conditions to avoid

No further information is available.

### 10.5. Incompatible materials

No information is available.

### 10.6. Dangerous decomposition products

No further information is available.

## Section 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Metabolism, kinetics, mechanism of action and other information

Information not available.

#### Information on likely routes of exposure

Information not available.

#### Immediate, delayed and chronic effects from short- and long-term exposure

Information not available.

#### Interactive effects

Information not available.

#### ACUTE TOXICITY

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if ingested.

#### SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class.

#### SEVERE EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class.

#### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class.

#### ADDITIONAL TOXICOLOGICAL EFFECTS

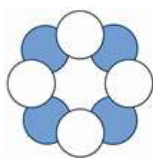
No further information is available.

### CMR effects (CARCINOGENICITY, MUTAGENICITY AND TOXICITY TO REPRODUCTION)

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.





CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

TOXICITY TO REPRODUCTION

Does not meet the classification criteria for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

DANGER IN THE EVENT OF ASPIRATION

Does not meet the classification criteria for this hazard class.

## Section 12. ENVIRONMENTAL INFORMATION

### 12.1. Toxicity

Aquatic toxicity: Predictably not relevant.

### 12.2. Persistence and degradability

The product is easily biodegradable.

### 12.3. Bioaccumulation potential

Information not available.

### 12.4. Mobility in soil

Information not available.

### 12.5. Results of the PBT and vPvB assessment

Not applicable.

### 12.6. Other adverse effects

Information not available.

## Sezione 13. Section 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste disposal procedures

Small quantities of product can be disposed of together with household waste.

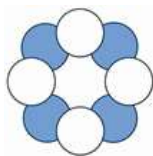
Recycle if possible otherwise contact authorized company for industrial waste disposal.

#### WASTE CODE

The European Union does not establish homogeneous rules for the elimination of chemical residues, since they are special residues. Their treatment and elimination depends on the internal laws of each country. So, for each case, you must contact the competent authorities, or with the companies legally authorized to dispose of waste. 2014/955/EU: Council Decision of 18 December 2014 amending the list of wastes contained in Commission Decision 2000/532/EC. DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008, in its last valid version.







#### CONTAMINATED PACKAGING

Containers and packaging contaminated with dangerous substances or preparations will have the same treatment as the products. Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.

Disposal in accordance with administrative regulations.

Packaging which cannot be cleaned shall be disposed of in the same way as the substance.

Washing with solvents to be sent to incineration.

## Section 14. INFORMATION ON TRANSPORT

The product is not to be considered dangerous within the meaning of the current provisions on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

**14.1. UN No:** Not applicable.

**14.2. UN ADR/RID shipping name:** Not applicable.

**IMDG, IATA:** Not applicable.

**14.3. Transport hazard classes:** Not applicable.

**14.4. Packing group:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.6. Special precautions for users:** Not applicable.

**14.7. Bulk transport according to MARPOL Annex II and IBC Code:** Not applicable.

## Section 15. REGULATORY INFORMATION

### 15.1. Specific legislative and regulatory provisions on health, safety and environment for the substance or mixture

Directive 2012/18/EU.

Specified hazardous substances - ANNEX I: The substance is not contained.

National provisions

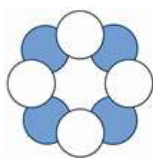
Where applicable, please refer to the following regulations and their subsequent additions:

- D.P.R. 303/56 (Article 64: health checks, prevention of occupational diseases);
- D. Lgs. 475/82 (personal protective equipment);
- D. Lgs. 81/2008 et seq. (safety and health of workers at the workplace);
- D. Lgs. 52/97 (classification, packaging and labelling of dangerous substances);
- D. Lgs. 25/02 (chemical agents);
- D. Lgs. 65/03 (classification, packaging and labelling of dangerous preparations);
- D. Lgs. 152/06 (air emissions, liquid waste, waste).

### 15.2. Assessing chemical safety

Chemical safety was not assessed.





## Section 16. MORE INFORMATION

The data are reported on the basis of our current knowledge, however, do not represent any guarantee of the characteristics of the product and do not justify any contractual legal relationship.

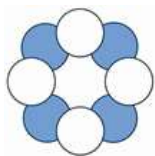
### LEGEND:

- **ADR:** European Agreement for the Transport of Dangerous Goods by Road.
- **CAS NUMBER:** Chemical Abstract Service Number.
- **EC50:** Concentration giving effect to 50% of the tested population.
- **EC NUMBER:** Identification number in ESIS (European Database of Existing Substances).
- **CLP:** EC Regulation 1272/2008.
- **DNEL:** Derived level without effect.
- **ems:** Emergency Schedul.e
- **GHS:** Globally harmonised system for the classification and labelling of chemicals.
- **IATA DGR:** Regulations for the transport of dangerous goods of the International Air Transport Association.
- **IC50:** Immobilisation concentration of 50% of the tested population.
- **IMDG:** International Maritime Dangerous Goods Code.
- **IMO:** International Maritime Organization.
- **INDEX NUMBER:** Identification number in Annex VI to CLP.
- **LC50:** Lethal concentration 50.
- **LD50:** Lethal dose 50.
- **OEL:** Level of occupational exposure.
- **PBT:** Persistent, bioaccumulative and toxic according to REACH.
- **JEP:** Predictable environmental concentration.
- **PEL:** Foreseeable level of exposure.
- **PNEC:** Predictable no effect concentration.
- **REACH:** EC Regulation 1907/2006.
- **RID:** Regulation on the international carriage of dangerous goods by train.
- **TLV:** Threshold limit value.
- **TLV CEILING:** Concentration which must not be exceeded at any time during work exposure.
- **TWA STEL:** Short-term exposure limit.
- **TWA:** Weighted average exposure limit.
- **VOC:** Volatile organic compound.
- **vPvB:** Very persistent and very bioaccumulative according to REACH.
- **WGK:** Water hazard class (Germany).

### GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP).
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP).
4. Regulation (EU) 2015/830 of the European Parliament.
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP).
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP).
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP).
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP).
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP).
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP).
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP).
12. Regulation (EU) 2016/1179 (IX Atp. CLP).





13. Regulation (EU) 2017/776 (X Atp. CLP).
14. Regulation (EU) 2018/669 (XI Atp. CLP).
15. Regulation (EU) 2018/1480 (XIII Atp. CLP).
- The Merck Index. - 10th Edition.
- Handling Chemical Safety.
- INRS - Fiche Toxicologique (toxicological sheet).
- Patty - Industrial Hygiene and Toxicology.
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition.
- Website IFA GESTIS- Website ECHA Agency.
- Chemical SDS model database - Ministry of Health and Higher Institute of Health.

Note to the user: The information contained in this form is based on the knowledge available to us at the date of the latest version. The user shall ensure the suitability and completeness of the information in relation to the specific use of the product. This document should not be interpreted as a guarantee of any specific product properties. Since the use of the product does not fall under our direct control, it is the obligation of the user to observe, under his responsibility, the laws and regulations in force on hygiene and safety. They are not responsible for improper use. Provide adequate training to personnel involved in the use of chemicals.



