

**Safety Data Sheet dated 20/3/2020, version 0**

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**1. Identification**

GHS Product identifier

Mixture identification:

Trade name: Plantis PQ

Recommended use of the chemical and restrictions on use

Recommended use:

FOR PROFESSIONAL USE

Restrictions on use:

Supplier's details

Company:

Esseco S.r.l. Via San Cassiano 99

28069 - Trecate (NO)

Italy

Enartis - Phone n. +39-0321-790300

Competent person responsible for the safety data sheet: vino@enartis.it

Importer's details

Company:

ENARTIS PACIFIC PTY

69 Chadstone Rd, Malvern East, Victoria, 3145 Australia - Ph. +61 (03) 9428 0037

POBox 4304 - Marewa

Napier - New Zealand

Ph. +64 (06) 8434 413

Emergency phone number

Esseco - Phone n. +39-0321-7901

Australia Wide 24/7 Poison Information centre: 131126

New Zealand Emergencies National Poisons Centre: 0800 764 766

Other Emergencies: Dial 111 then ask for fire, ambulance or police as required

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**2. Hazard identification**

Classification of the Hazardous chemical

The product is not classified as dangerous according to Australia WHS 2012.

GHS label elements, including precautionary statements

The product is not classified as dangerous according to Australia WHS 2012.

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Other hazards which do not result in a classification

No other hazards

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**3. Composition/information on ingredients**

Substances

No Data Available

Mixtures

Qty	Name	Ident. Number	Classification
>= 1% - < 3%	CITRIC ACID	CAS: 77-92-9 EC: 201-069-1 REACH No.: 01-2119457026-42-XXXX	⚠ 3.3/2A Eye Irrit. 2A H319

#### 4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Symptoms caused by exposure

None

Medical attention and special treatment

Treatment:

None

#### 5. Fire-fighting measures

Suitable extinguishing media

Water.

Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Hazardous combustion products:

None

Explosive properties: No Data Available

Oxidizing properties: No Data Available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Methods and material for containment and cleaning up

Wash with plenty of water.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

### Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

## 8. Exposure controls/personal protection

Control parameters – exposure standards, biological monitoring

No occupational exposure limit available

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Eye glasses with side protection.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Suitable material:

UNI EN 420/UNI EN 374

Respiratory protection:

Not needed for normal use.

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Thermal Hazards:

None

## 9. Physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Solid	--	--
Odour:	Characteristic	--	--
Odour threshold:	No Data Available	--	--
pH:	No Data Available	--	--
Melting point / freezing point:	No Data Available	--	--
Initial boiling point and boiling range:	No Data Available	--	--
Flash point:	No Data Available	--	--

Evaporation rate:	No Data Available	--	--
Solid/gas flammability:	No Data Available	--	--
Upper/lower flammability or explosive limits:	No Data Available	--	--
Vapour pressure:	No Data Available	--	--
Vapour density:	No Data Available	--	--
Relative density:	No Data Available	--	--
Solubility in water:	No Data Available	--	--
Solubility in oil:	No Data Available	--	--
Partition coefficient (n-octanol/water):	No Data Available	--	--
Auto-ignition temperature:	No Data Available	--	--
Decomposition temperature:	No Data Available	--	--
Viscosity:	No Data Available	--	--

## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

None

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

## 11. Toxicological information

### Toxicological information of the product:

Plantis PQ

#### a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

#### b) skin corrosion/irritation

PLNPQ2(0320)0

Page n. 4 of 7

- Not classified  
Based on available data, the classification criteria are not met
- c) serious eye damage/irritation  
Not classified  
Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met
- f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met
- g) reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met
- h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met
- Toxicological information of the main substances found in the product:  
CITRIC ACID - CAS: 77-92-9
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 11700 mg/kg - Notes: (Citric acid monohydrate)  
Test: LD50 - Route: Intraperitoneal - Species: Rat = 725 mg/kg - Notes: (Citric acid monohydrate)  
Test: LD50 - Route: Oral - Species: Mouse = 5400 mg/kg - Notes: (Citric acid monohydrate)  
Test: LD50 - Route: Intraperitoneal - Species: Mouse = 940 mg/kg - Notes: (Citric acid monohydrate)  
Test: LD50 - Route: Intravenous - Species: Mouse = 42 mg/kg - Notes: (Citric acid monohydrate)  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: (Citric acid monohydrate)
- b) skin corrosion/irritation:  
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Notes: (Citric acid monohydrate)
- c) serious eye damage/irritation:  
Test: Eye Irritant - Species: Rabbit Positive - Notes: (Citric acid monohydrate)

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## 12. Ecological information

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

### Plantis PQ

Not classified for environmental hazards

Based on available data, the classification criteria are not met

### CITRIC ACID - CAS: 77-92-9

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 440 mg/l - Duration h: 48 - Notes: (Citric acid monohydrate)

Endpoint: LC50 - Species: Daphnia = 1535 mg/l - Duration h: 24 - Notes: (Citric acid monohydrate)

monohydrate)

Endpoint: LC50 - Species: Algae = 425 mg/l - Duration h: 168 - Notes: (Citric acid monohydrate)

Endpoint: LC50 - Species: Bacteria > 10000 mg/l - Duration h: 16 - Notes: (Citric acid monohydrate)

Persistence and degradability

No Data Available

Bioaccumulative potential

No Data Available

Mobility in soil

No Data Available

Other adverse effects

None

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### 13. Disposal considerations

Disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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### 14. Transport information

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group, if applicable

N.A.

Environmental hazards

No

Special precautions for user

N.A.

Additional Information

N.A.

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### 15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals

List of substances included in the NICNAS

CITRIC ACID

List of substances included in the AICS inventory

CITRIC ACID

Poison Schedule (SUSMP)

None Specified

HSNO Group Standard: NA

HSNO Hazard Classification: NA

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### 16. Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not Available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.