



## Safety Data Sheet ERT 23 PLUS

Safety Data Sheet dated 14/2/2020, version 1.2

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name:

**ERT 23 PLUS**

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

Recommended use:

Liquid fertiliser for agricultural use.

1.3. Details of the supplier of the safety data sheet

Company:

CIFO - Via Oradour 6/8, 40016 - San Giorgio di Piano (BO) - Italy

Tel. 051-6655511 Email: info@cifo.it

website: [www.cifo.it](http://www.cifo.it)

NZ Supplier:

Cifo New Zeland – PO Box 5451, Mt Maunganui, 3150, New Zealand – Ph: +64 21 307 439

E-mail: expsalesupport@cifo.it

Competent person responsible for the safety data sheet:

info@cifo.it

1.4. Emergency telephone number

**0800 CHEMCALL (0800 243 622)**

**0800 POISON (0800 764 766)**

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### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

HSNO Hazard Classification:

Formulation does not have any hazardous properties. Exempt from the HSNO Act.

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures



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Hazardous components within the meaning of the CLP regulation and related classification:  
None.

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### SECTION 4: First aid measures

#### 4.1. Description of 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:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

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

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

None

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

Treatment:

None

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

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

Extinguishing media which must not be used for safety reasons:

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

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.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. 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

#### 6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

#### 6.4. Reference to other sections

See also section 8 and 13

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling



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

See also section 8 for recommended protective equipment.

General recommendations on occupational hygiene:

Do not eat or drink while working.

### 7.2. 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.

### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

### 8.2. Exposure controls

Eye protection:

Safety glasses.

(see standard EN 166)

Protection for skin:

Disposable suit.

(see standard EN 13034)

Safety shoes.

(see standard UNI EN ISO 20345)

Protection for hands:

Suitable gloves type:

One-time gloves.

(see standard EN 374)

Suitable material:

NBR (nitrile rubber).

Wash hands before eating, drinking or smoking.

Respiratory protection:

Avoid inhaling the product.

Provide adequate ventilation. Good local ventilation and a good general air exchange system must be ensured.

Thermal Hazards:

None

Environmental exposure controls:

Use according to good working practices, avoiding to disperse the product in the environment.

Do not discharge the product into the sewers.

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas.

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## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes
Appearance and colour (20°C-101,3kPa):	Liquid, brown	--	--
Odour:	Not Relevant	--	Not relevant for product



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			classification purposes.
Odour threshold:	N.A.	--	--
pH (20°C):	7.9 (sol. 1% w/w)	--	--
Melting point / freezing point:	Not Relevant	--	Freezing point lower than the temperature range of use of the product.
Initial boiling point and boiling range:	Not Relevant	--	Boiling point higher than the temperature range of use of the product.
Flash point:	N.A.	--	NOT FLAMMABLE: water-based mixture consisting of inorganic components (Annex VII REACH) and / or non-flammable organic components.
Evaporation rate:	N.A.	--	Water based mixture consisting of inorganic components and / or high boiling organic components.
Solid/gas flammability:	N.A.	--	Liquid
Upper/lower flammability or explosive limits:	N.A.	--	Not flammable.
Vapour pressure:	Not Relevant	--	Not relevant for product classification purposes.
Vapour density:	Not Relevant	--	Not relevant for product classification purposes.
Relative density (20°C):	1.21 Kg/L	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	Not Relevant	--	Not relevant for classification and use of the product.
Partition coefficient (n-octanol/water):	N.A.	--	See paragraph 12 for values referring to individual substances.
Auto-ignition temperature:	N.A.	--	Not flammable.
Decomposition temperature:	Not Relevant	--	Decomposition temperature higher than the temperature range of use of the product.
Viscosity:	Not Relevant	--	Not relevant for product classification purposes.
Explosive properties:	Not Explosive	--	Mixture consisting of non-explosive components.
Oxidizing properties:	Not Oxidizing	--	Mixture consisting of non-oxidizing components.

### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	Mixable with water	--	--
Fat Solubility:	Not Relevant	--	Not relevant for classification and use of the product.
Conductivity (25°C):	2,1 mS/cm (sol.1% w/w)	--	--



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Substance Groups relevant properties	Not Relevant	--	--
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### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the substance:

- ERT 23 PLUS
- a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation  
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

### SECTION 12: Ecological information

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



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Not classified for environmental hazards  
Based on available data, the classification criteria are not met

#### 12.2. Persistence and degradability

None

N.A.

#### 12.3. Bioaccumulative potential

N.A.

#### 12.4. Mobility in soil

N.A.

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

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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

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### SECTION 14: Transport information

#### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

#### 14.2. UN proper shipping name

N.A.

#### 14.3. Transport hazard class(es)

N.A.

#### 14.4. Packing group

N.A.

#### 14.5. Environmental hazards

N.A.

#### 14.6. Special precautions for user

N.A.

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

N.A.

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### SECTION 15: Regulatory information

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

Non-hazardous - exempt from HSNO Act

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

International Regulations of the transport of dangerous goods (ADR, RID, IMDG, ICAO/IATA).

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)



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Regulation (EU) n. 2018/699 (ATP 11 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

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### SECTION 16: Other information

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

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.
HSNO	Hazardous Substances and New Organisms (Act and Regulation)
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.



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LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
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.