

Safety Data Sheet

In accordance with (EC) No 1907/2006
taking into account Regulation (EU) 2015/830

Revised April 14, 2020 replaces version 2019.1 from 01.08.2019

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

1.1 Product identifier

E.KO IONISER 1501 TM ® (customs tariff number 8421 2100)
E.KO IONISER 1502 TM ® (customs tariff number 8421 2100)
E.KO IONISER 1503 TM ® (customs tariff number 8421 2100)

The product is a portable and self-contained water treatment plant with double wall safety container and is not pressurized and thus not subject to CE rules and regulations.
Material: PE-HD, PP

Additional information

The product is exempt from registration in accordance with the measures under Title II and VI and Article 2(9) of the REACH regulation.

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

Absorbent, catalyst and/or ion exchange

1.3 Details of the supplier of the safety data sheet

easymetal GmbH
Resselstraße 12
A-2120 Wolkersdorf
Phone: +43 2245 20 123
Fax: +43 2245 20 123 45
office@easymetal.com

1.4 International emergency/poison telephone number

Italy	+39 (6) 490 663
Great Britain	+44 (171) 635 91 91
France	+33 (3) 883 737 37
Spain	+34 (91) 562 84 69
Belgium	+32 (70) 245 245
Austria	+43 (1) 406 43 43
Local poison centers	

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No. 1272/2008
The substance is not classified according to the CLP regulation
Classification in accordance with Directive 67/548/EEC or 1999/45/EC: n/a
Special hazards for people and the environment: n/a

2.2 Label elements

Labeling in accordance with Regulation (EC) No. 1272/2008: n/a
Hazard pictogram: n/a
Signal word: n/a
Hazard notes: n/a

2.3 Other hazards

Results of the PBT and vPvB assessment
PBT: inapplicable
vPvB: inapplicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 **Mixtures:** This product is mixture

<u>Designation</u>	<u>Quantity</u>	<u>CAS No.</u>	<u>Classification EG1272/2008</u>
Water	> = 40 - < = 80%	7732-18-5	not classified
Polymer	> = 10 - < = 50%	69011-20-7	Eye cor/irr, 1, H318
Polymer	> = 10 - < = 50%	69011-18-3	Eye cor/irr, 1, H318

<u>Designation</u>	<u>Quantity</u>	<u>CAS No.</u>	<u>Classification 67/548/EWG</u>
Water	> = 40 - < = 80%	7732-18-5	not classified
Polymer	> = 10 - < = 50%	69011-20-7	Xi: R41
Polymer	> = 10 - < = 50%	69011-18-3	Xi: R41

4. FIRST AID MEASURES

4.1 Description of first aid measures

After eye contact:

Not applicable when used as intended. Flush eyes sufficiently with water while keeping eyelids open. Then consult physician (ophthalmologist) immediately.

After skin contact:

Not applicable when used as intended. Remove product mechanically. Wash the affected skin areas thoroughly with soap and water. In case of skin reaction, seek medical attention.

After inhalation:

Not applicable when used as intended. Take person outside to get fresh air; medical attention is required in case of respiratory complaints.

After ingestion:

Not applicable when used as intended. Rinse mouth with plenty of water. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No other relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No other relevant information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

CO₂, foam, dry powder, for larger fires also water spray.

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

No data available

5.3 **Advice for firefighters**

In the event of a fire, wear self-contained breathing apparatus if and where necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures**

Not required

6.2 **Environmental precautions:** Dilute with plenty of water

6.3 **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binder, universal binder, sawdust).

6.4 **Reference to other sections**

No dangerous substances are released.

Information for safe handling, see section 7.

Information about personal protective equipment, see section 8.

7. HANDLING AND STORAGE

7.1 **Precautions for safe handling**

No special measures required.

Information about fire and explosion protection:

No special measures required.

7.2 **Conditions for safe storage, including any incompatibilities**

Storage:

Requirement for storage rooms and vessels: No special requirements.

Indication for combined storage: not required

Further information about storage conditions: none

Storage class: 10

Classification according to Ordinance on Industrial Safety and Health (BetrSichV): -

7.3 **Specific end use(s)**

No other relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

No further details, see section 7.

8.1 **Control parameters**

Components with workplace-related limit values to be monitored: n/a

Additional notes: The lists valid during the preparation were used as a basis.

8.2 **Exposure controls**

Appropriate engineering controls (ventilation):

A ventilation system is not required when used as intended

Individual protection measures, such as personal protective equipment:

Respiratory protection:
Not required when used as intended.

Eye protection:
Not required when used as intended.

Hand protection and material of gloves:
Not required when used as intended.

Environmental exposure controls:

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid, colorless

Odour: Odorless, possibly short-term ammonia-like odor

pH-value: Neutral

Melting point/freezing point: No data available

Initial boiling point and boiling range: 100°C

Flash point: ca. 200°C

Evaporation rate: No data available

Flammability (solid, gas): 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(ies): Not soluble in water

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: Not self-igniting

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: Not subject to explosions

Oxidising properties: No data available

9.2 Other information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 **Conditions to avoid**

No data available

10.5 **Incompatible materials**

Starke Oxidationsmittel

10.6 **Hazardous decomposition products**

No data available

11. TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

Acute toxicity: No data available

Chemical burn/skin irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present in a concentration equal to or higher than 0.1% is identified by the IARC as a probable, potential or proven carcinogen for humans.

Reproductive toxicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional information: RTECS: No data available

Information on likely routes of exposure: No data available

Symptoms related to the physical, chemical and toxicological characteristics: No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
No data available

Interactive effects: No data available

Absence of specific data: No data available

Mixtures: No data available

Mixture versus substance information: No data available

Additional information: RTECS: No data available

12. ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of the PBT and vPvB assessment:

A PBT/vPvB assessment is not available since a chemical safety assessment has been carried out/is not required.

Other adverse effects: No data available

Water hazard class: The product is not classified as a water pollutant.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal only to the supplier (owner). The device may not be distributed to third parties or non-licensed dealer. The product is 100% recyclable, therefore no disposal by a third party.

Dealer information: +43 2245 20 123

14. TRANSPORT INFORMATION

Not dangerous cargo. Keep separate from food and beverages

14.1 UN-Number

ADR, ADN, IMDG, IATA not required

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA not required

14.3 Transport hazard class(es)

ADR/RID: Not dangerous goods
ADN: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.4 Packing group

ADR, IMDG, IATA not required

14.5 Environmental hazards

ADR/RID: no
IMDG Marine pollutant: no
IATA: no

14.6 Special precautions for user

No data available

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

Not applicable

14.8 Additional Information

ADR comments: Not a hazardous material in accordance with RID/ADR/GGVS
UN „Model Regulation“: -

15. REGULATORY INFORMATION

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

European inventory of existing substances currently available on the market (EINECS)
The components of this product are listed in the EINECS or are subject to exception rules for this inventory.

15.2 Chemical safety assessment

Not applicable

15.3 Water Hazard Class

Generally not a water pollutant.

16. ADDITIONAL INFORMATION

Hazard note in section 3

H318 causes severe eye damage

R phrases in section 3

R41 risk of serious damage to eyes

All data and information refer to the device E.KO IONISER™ ® 1501/1502/1503 and not to specific individual components.

The data and information is based on the present state of our knowledge; however, they represent no assurance of product features and do not establish a legal contractual relationship. They only refer to the designated product and may no longer apply if the product is used along with other materials or in a handling or operational process.

Users must verify for themselves that all statements are appropriate and complete for their application or usage.

All older versions are no longer valid.

ABBREVIATIONS 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)

ICAO: International Civil Aviation Organization

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

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)