

Safety Data Sheet

In accordance with (EC) No 1907/2006
taking into account Regulation (EU) 2015/830
Revised Mai 8, 2024 replaces version 2012.1 from april 14, 2020

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

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
Serious eye damage, Category 1
H318: Causes serious eye damage

2.2 Label elements

Labeling in accordance with Regulation (EC) No. 1272/2008: n/a
Hazard pictograms:



Signal word: Danger

Hazard statements: H318 Causes serious eye damage

Precautionary statements

Prevention: P280 Wear eye protection/ face protection.

Response: P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures: This product is mixture

Designation	Quantity	CAS No.	Classification EG1272/2008
Water	> = 40 - < = 80%	7732-18-5	not classified
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, chloromethylated, trimethylamine-quaternized, hydroxide	> = 10 - < = 50%	69011-20-7	Eye Dam, 1, H318
Benzene, diethenyl-, polymer with ethenylbenzene and ethenylethylbenzene, sulphonated	> = 10 - < = 50%	69011-18-3	Eye Dam, 1, H318

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice:

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

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

8.1. **Control parameters**

Contains no substances with occupational exposure limit values.

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

11.2 **Endocrine properties:** The substance/mixture does not contain any components which are regulated according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 have endocrine disrupting properties in quantities of 0.1% or more.

12. ECOLOGICAL INFORMATION

12.1 **Toxicity:** No data available

12.2 **Persistence and degradability:** No data available

12.3 **Bioaccumulative potential:** No data available

12.4 **Mobility in soil:** No data available

12.5 **Results of the PBT and vPvB assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 **Other adverse effects:**

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

15. REGULATORY INFORMATION

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): Not applicable

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):. This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast): Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.: Neither banned nor restricted

REACH List of substances subject to authorisation (Annex XIV): Not applicable

REACH - List of substances subject to authorization (Annex XIV): Not applicable

Fire hazard class: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.: Not applicable

Water Hazard Class: Generally not a water pollutant.

15.2 **Chemical safety assessment**

No data available

16. ADDITIONAL INFORMATION

Full text of H-Statements

H318: causes severe eye damage

Full text of other abbreviations

Eye Dam: Serious eye damage

Classification of the mixture

Eye Dam.1 ; H318

Classification procedure

Based on product data or assessment

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)