

Printing date:
08.05.2014

Revision: 16.04.2015

Trade name: Ading rost

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

- **Trade name:** Ading rost

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

- **Use of the substance/mixture:** Agent for removal of rust from metal surfaces

1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:** ADING AD, Novoselski pat (1409 Str.) No. 11
1060 Skopje, Republic of Macedonia
++389 2 2034-800
+389 2 2034-821, 2034-822
+389 2 2034-850, 2034-853

1.4 Emergency telephone number

- **Emergency telephone number:** Toxicology Information Centre
+389 2 3147-635

2. Hazards identification

2.1 Classification of the substance or mixture

In accordance with the Rulebook on Classification, Labelling and Packaging of Chemicals and Certain Products in line with UN's Globally Harmonised System of Classification and Labelling of Chemicals (Official Gazette of the Republic of Macedonia no. 145/10, 53/11 and 164/13)

2.1.1 Classification: According to Regulation 1272/2008 (CLP)



GHS05

H314- Causes severe skin burns and eye damage (Hazard category 1).

2.2. Label elements

- **Hazard pictogram:** According to Regulation 1272/2008 (CLP)



GHS05

- **Signal word:** Danger

- **H- Hazard statements:** H314- Causes severe skin burns and eye damage

Safety Data Sheet
according to 1272/2008/EC

SDS no. 126/1

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- **P- Precautionary statements:** P102+P405- Keep out of reach of children. Store locked up.
P314- Get medical advice/attention if you feel unwell.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - **Classification:** According to Directive 67/548/EEC
 - **R- Risk statements:** R34- Causes burns.
 - **S- Safety statements:** S1- Keep locked up.
S2- Keep out of the reach of children.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45- In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
- 2.3 Other hazards**
PBT and vPvB results: PBT: Not applicable
vPvB: Not applicable

3. Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

- **Chemical characterization: Aqueous solution of inorganic acid**

- **Dangerous components:**

CAS: 7664-38-2 EINECS: 231-633-2	<p align="center"><i>Phosphorous acid</i></p>  <p align="center">Causes severe skin burns and eye damage (Hazard category 1), H314, C, R34</p>	25%
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4. First aid measures

4.1 Description of first aid measures

- **General information:** Corrosive. Causes burns to the respiratory tract. Symptoms may include irritation of the nose, throat and upper respiratory tract. Symptoms may also include burns of the mouth, throat and stomach. Causes skin burns and eye damage. Symptoms include redness, blurred vision, eye burns and permanent eye damage.
- **After inhalation:** Remove the person to fresh air and seek medical advice.
- **After skin contact:** Wash thoroughly with water and soap. Remove contaminated clothing. Seek medical attention if irritation develops.
- **After eye contact:** Rinse eyes with plenty of water for several minutes with the eyelids held wide open. If symptoms persist, seek medical advice.
- **After swallowing:** If conscious, give 2-3 glasses of water. Do not induce vomiting. Seek medical attention immediately. Vomiting may occur spontaneously. To prevent aspiration lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

4.2 Information for doctor

- **Most important symptoms and effects, both acute and delayed** No relevant additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

- **Indication of any immediate medical attention and special treatment needed** No relevant additional information available.

5. Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:** The product is non-flammable. Suitable extinguishing media for surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

- **Special hazards arising from the substance or mixture:** Oxides of phosphorus.

5.3 Advice for firefighters

- **Protective equipment:** Suitable protective equipment.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- **Personal precautions:** Ensure personal protection is worn and ensure appropriate ventilation in the room. Avoid contact with skin and eyes and avoid breathing vapours.

6.2 Environmental precautions

- **Environmental precautions:** Do not allow the material to enter soil/sewage system, surface water. Inform the competent authorities in case of spillage into the sewage system.

6.3 Methods and material for containment and cleaning up

- **Methods for cleaning up:** Absorb spillage with suitable absorbent material (vermiculite, sand, etc.) Contaminated material should be disposed of as hazardous waste.

7. Handling and storage

7.1 Precautions for safe handling

- **Precautions for safe handling:** Use appropriate protective equipment. Store in well-sealed containers, appropriately labelled.
- **Precautions against fire and explosion:** No special precautions required

7.2 Conditions for safe storage, including any incompatibilities

- **Conditions for storerooms and vessels:** Store in the original container, protected from exposure to direct sunlight. Keep away from strong bases, metals and strong oxidising agents. The storage area should be cold, dry and well ventilated. Do not store in metal containers.

7.3 Specific end use(s)

- **Specific storage conditions** No relevant additional information available.

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8. Exposure controls/personal protection

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:** The material does not contain relevant amounts of Ingredients with limit values that require monitoring at the workplace.
- **Additional information:** No additional information.

8.2 Exposure controls and personal protection

- **Exposure controls** Ensure ventilation in the area of use. Avoid contact with the material.
- **Personal protective equipment**
- **Respiratory protection:** Use appropriate respiratory (filter) mask in case of prolonged exposure.
- **Hand protection:** Protective rubber gloves.
- **Eye protection:** Safety glasses.
- **Skin protection:** Wear suitable protective clothing.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **Appearance:**
 - Form:** Liquid
 - Colour:** Green
- **Odour** Unspecified
- **Odour threshold** Unspecified
- **pH at t=20°C** 1.0
- **Melting/freezing point** No information available.
- **Boiling point** No information available.
- **Flash point** No information available.
- **Evaporation rate** No information available.
- **Flammability (solid, gas)** No information available.
- **Upper/lower flammability or explosive limits** No information available.
- **Vapour pressure** No information available.
- **Vapour density** No information available.
- **Relative density** 1.15 ± 0.03 g/cm³
- **Solubility** Soluble
- **Partition coefficient: n-octanol/water** No information available.
- **Auto-ignition temperature** No information available.
- **Decomposition temperature** No information available.
- **Viscosity** No information available.
- **Explosive properties** No information available.
- **Oxidising properties** No information available.

10. Stability and reactivity

10.1 Reactivity

- No information available.

10.2 Chemical stability:

- Stable under normal temperature and pressure.

10.3 Possibility of hazardous reactions:

- No information available.

10.4 Conditions to avoid:

- High humidity, high temperature.

10.5 Incompatible materials:

- Metals, strong oxidising agents and strong bases.

10.6 Hazardous decomposition products:

- Oxides of phosphorus. In contact with metals, it may release flammable hydrogen gas.

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11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** /

- **LD/LC50 values relevant for classification:**

7664-38-2 Inorganic acid

Oral	LD 50	1530 mg/kg (rat)
Dermal	/	/
After inhalation	/	/

- **Primary irritant effect**
- **on the skin** May cause severe skin burns.
- **on the eye** May cause severe eye damage.
- **Sensitization:** Risk of serious eye damage. Irritating to skin and eyes.

12. Ecological information

12.1 Toxicity:

12.1.1 Aquatic toxicity:

- The product is harmful to aquatic organisms.

12.2 Persistence and degradability:

- The product does not contain biodegradable components.

12.3 Bioaccumulative potential:

- No relevant information available.

12.4 Mobility in soil:

- The product is soluble in water and may move, that is, spread away from the area of release.

12.5 Results of PBT and vPvB assessment:

- No information available.

12.6 Other adverse effects:

- No information available.

13. Disposal considerations

13.1 Waste treatment methods

Product waste should be treated in accordance with the Law on Waste Management (Official Gazette of the Republic of Macedonia no. 100/2005, 2/2011, 123/2012, 147/2013), whereas used packaging should be treated in accordance with the Law on Management of Packaging and Packaging Waste (Official Gazette of the Republic of Macedonia no. 161/2001, 136/2011, 39/2012)

- **Recommendation:** May not be disposed of together with household waste. Do not allow the material to enter the sewage system.
- **Uncleaned packaging**
- **Recommendation:** Uncleaned packaging must be disposed of in accordance with local regulations.

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Trade name: Ading rost**14. Transport information****14.1 UN number**

- ADR, ADN, IMDG, IATA - 1805

14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA- Environmentally hazardous substance

14.3 Transport hazard class

- ADR, ADN, IMDG, IATA - 8 Dangerous goods

14.4 Packing group

- ADR, ADN, IMDG, IATA - III

14.5 Environmental hazards

- ADR, ADN, IMDG, IATA
Dangerous
- ADR (Symbol: Corrosive – GHS05)
- IATA (Symbol: Corrosive – GHS05)

14.6 Special precautions for user

- ADR, ADN, IMDG, IATA - Danger - Dangerous goods

14.7 Transport in bulk

- ADR, ADN, IMDG, IATA - /

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

Law on Health and Safety at Work (Official Gazette of the Republic of Macedonia no. 92/2007, 137/2013, 164/2013, 158/2014); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 145/2010, 53/2011, 164/2013); Law on Environment (Official Gazette of the Republic of Macedonia no. 53/2005, 24/2007, 93/2013). Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transport of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 291/2014); Rulebook on Specific Requirements for the Legal Persons Trading in Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 132/2008); Rulebook on Labelling and Packaging of Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 85/2009); Rulebook on Hazardous Substances, Threshold Limit Values of Hazardous Substances and Criteria or Properties for Classifying Substances as Hazardous (Official Gazette of the Republic of Macedonia no. 25/2010); List of Prohibitions and Restrictions in the Use of Chemicals (Official Gazette of the Republic of Macedonia no. 57/2011); Rulebook on Chemical Safety Assessment and Contents of the Chemical Safety Report (Official Gazette of the Republic of Macedonia no. 82/2011); List of Polluting Materials and Substances (Official Gazette of the Republic of Macedonia no. 122/2011); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 31/2014); Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transit of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 192/2014).

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

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16. Other information

Reason for issue: New format

This Safety Data Sheet summarises to the best of our knowledge the health and safety hazard information on the product. Each user should read this Safety Data Sheet and consider the information in the context of how the product should be handled and used, as well as how it should be stored, transported and disposed of. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. This information relates only to the specific product and may not be valid if the product is used in combination with any other material. All the information contained in this Safety Data Sheet is true and up-to-date.

Relevant labels

- **Hazard pictograms:**



GHS05

- Signal word: Danger

H-statements

H314- Causes severe skin burns and eye damage.

P-statements

P102+P405- Keep out of reach of children. Store locked up.

P314- Get medical advice/attention if you feel unwell.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

R-statements

R34- Causes burns.

S-statements

S1- Keep locked up.

S2- Keep out of the reach of children.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45- In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).