

Printing date:  
04.06.2015

Revision: 16.04.2015

**Trade name: Rastvoruvach – P**

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

### 1.1 Product Identifier

- **Trade name:** Rastvoruvach - P

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

- **Use of the substance/mixture:** Xylene-based solvent

### 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:** +389 2 3147-635  
Toxicology Information Centre

## 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)



GHS07

H315- Causes skin irritation (Category 2)  
H312- Harmful in contact with skin (Category 4)  
H332- Harmful if inhaled (Category 4).



GHS02

H226- Flammable liquid and vapour (category 3).

### 2.2 Label elements

According to Regulation 1272/2008 (CLP)

- **Hazard pictogram:**



GHS07



GHS02

**Safety Data Sheet**  
according to 1272/2008/EC

SDS No. 034/2

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**Trade name: Rastvoruvach – P**

- **Signal word:** Warning
- **H- Hazard statements:**
  - H315- Causes skin irritation
  - H312- Harmful in contact with skin
  - H332- Harmful if inhaled
  - H226- Flammable liquid and vapour
- **P- Precautionary statements:**
  - P210- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P261- Avoid breathing dust/fumes/gas/mist/vapours/spray
  - P280- Wear protective gloves/protective clothing/eye protection/face protection.
  - P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
  - P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- **Classification:** According to Directive 67/548/EEC
- **R- Risk statements:**
  - R10- Flammable
  - R20/21- Harmful by inhalation and Harmful in contact with skin
  - R38- Irritating to skin
- **S- Safety statements:**
  - S16- Keep away from sources of ignition
  - S37/39- Wear suitable gloves/Wear eye and face protection
  - S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
  - S63- In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**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: Solvent, xylene**

- **Dangerous components:**

<p>CAS: 1330-20-7 EINECS: 215-535-7</p>	<p>Xylene</p>  <p>GHS07</p> <p>Causes skin irritation (Category 2) H315 Harmful in contact with skin (Category 4) H312 Harmful if inhaled (Category 4) H332</p>  <p>GHS02</p> <p>Flammable liquid and vapour (category 3) H226</p>  <p>R10</p>	<p>&gt; 99,8%</p>
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Revision: 16.04.2015

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## 4. First aid measures

### 4.1 Description of first aid measures

- **General information:** If you are not feeling well and if the symptoms persist, seek medical attention.
- **After inhalation:** Remove the person to fresh air. If the person stops breathing, proceed to CPR. If unconscious, turn the person on their side and seek medical attention.
- **After skin contact:** Wash thoroughly with plenty of water and soap. Remove contaminated clothing.
- **After eye contact:** Rinse out with plenty of water with the eyelid held wide open for several minutes. If symptoms persist, seek medical attention.
- **After swallowing:** Induce vomiting. Seek medical advice.

### 4.2 Information for doctor

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

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

Call the Toxicology Information Centre.

## 5. Firefighting measures

### 5.1 Extinguishing media

- **Suitable extinguishing media:** Carbon dioxide, dry powder, foam, sand

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

- **Special hazards arising from the substance or mixture:** CO, CO<sub>2</sub>, hydrocarbons.

### 5.3 Advice for firefighters

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

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Revision: 16.04.2015

Trade name: **Rastvoruvach – P**

## 6. Accidental release measures

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

- **Personal precautions:** Ensure suitable personal protection and keep unprotected persons away.

### 6.2 Environmental precautions

- **Environmental precautions:** Prevent spills of the material in the soil/sewage, surface water. In case of spill into the sewage network, notify the competent authorities.

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

- **Methods for cleaning up:** In case of spillage, collect the spill with suitable absorbent material. Contaminated material to be disposed of as hazardous waste.

## 7. Handling and storage

### 7.1 Precautions for safe handling

- **Precautions for safe handling:** Ensure proper ventilation of the premises. Avoid skin and eye contact and avoid inhalation.
- **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 well-ventilated premises, protected from direct exposure to sources of heat, fire and strong oxidizing agents. Store in dry location in adequate storage containers.

### 7.3 Specific use(s):

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

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Revision: 16.04.2015

Trade name: **Rastvoruvach – P**

## 8. Exposure controls/personal protection

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

Xylene
Middle concentration- 221 mg/m <sup>3</sup>
Highest concentration- 442 mg/m <sup>3</sup>
- **Additional information:** None.

### 8.2 Exposure controls and personal protection

- **Exposure controls** Ensure adequate air ventilation in the room. Avoid contact with foodstuff and drinks. Avoid skin and eye contact.
- **Personal protective equipment**
- **Respiratory protection:** Respirator mask – gas mask with filter.
- **Hand protection:** Protective gloves made out of resistant and impermeable material (butyl or nitrile rubber).
- **Eye protection:** Safety glasses.
- **Skin protection:** Suitable protective clothing.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colorless
- **Odour** Specific
- **Odour threshold:** Unspecified
- **pH value at t=20°C** No information available.
- **Melting point/freezing point** No information available.
- **Boiling point** 137-142 °C
- **Flash point** 27°C
- **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** 0.87 g/cm<sup>3</sup>
- **Solubility in water/mixability** (Soluble in organic solvents)
- **Partition coefficient: n-octanol/water at t=25°C** No information available.
- **Auto-ignition temperature** 498°C
- **Decomposition temperature** No information available.
- **Viscosity** No information available.
- **Explosive properties** No information available.
- **Oxidising properties** No information available.

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## 10. Stability and reactivity

### 10.1 Reactivity

- Stable at normal temperature and pressure

### 10.2 Chemical stability:

- Stable at normal temperature and pressure

### 10.3 Possibility of hazardous reactions:

- No information available.

### 10.4 Conditions to avoid:

- Open flame, all heat sources, heat

### 10.5 Incompatible materials:

- Oxidizing substances

### 10.6 Hazardous decomposition

#### products:

- If stored, used and applied properly, no decomposition takes place

## 11. Toxicological information

### 11.1 Information on toxicological effects

- **Acute toxicity:** /

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

Xylene		
Oral	LD 50	4300 mg/kg (rat)
If inhaled (6 hours of inhalation)	LD 50	18.8-25.9 mg/l (rat)
If inhaled (6 hours of inhalation)	LD 50	16.9-22.8 mg/l (mice)
Oral	LD 50	50 mg/kg (humans)

- **Primary irritant effect:**

- **on the skin**

Causes skin and eyes irritation

- **on the eye**

It has irritant effect.

- **Sensitization:**

No available information

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## 12. Ecological information

### 12.1 Toxicity:

#### 12.1.1 Aquatic toxicity:

- Toxic for aquatic organisms  
*Xylene*  
EC 50/48h-165 mg/l (daphnia)  
EC50/48h> 160 mg/l (pseudomonas putida)  
LC50/96h-10-100 mg/l (badger)  
LC50/96h-10 mg/l (trout)

### 12.2 Persistence and degradability:

- No relevant information available

### 12.3 Bioaccumulative potential:

- No relevant information available

### 12.4 Mobility in soil:

- The material is capable of moving away from the area of spilling

### 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:** In case of spilling, cover the material with inflammable absorbent (sand, bentonite, vermiculite) and transfer away to safe location. Dispose of waste in accordance with local and national regulations.
- **Uncleaned packaging**
- **Recommendation:** Dispose of soiled packaging in accordance with local regulations.

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**Trade name: Rastvoruvach – P****14. Transport information****14.1 UN number**

- ADR, ADN, IMDG, IATA- 1307

**14.2 UN proper shipping name**

- ADR, ADN, IMDG, IATA- hazardous to the environment.

**14.3 Transport hazard class**

- ADR, ADN, IMDG, IATA-  
3- hazardous product

**14.4 Packing group**

- ADR, ADN, IMDG, IATA-  
III

**14.5 Environmental hazards**

- Hazardous

**14.6 Special precautions for user**

- Warning- hazardous product

**14.7 Transport in bulk**

- /

**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 Transport 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 these chemicals.



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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

#### H – statements

H315- Causes skin irritation  
H312- Harmful in contact with skin  
H332- Harmful if inhaled  
H226- Flammable liquid and vapour

#### P – statements

P210- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261- Avoid breathing dust/fumes/gas/mist/vapours/spray  
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P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### R – statements

R10- Flammable  
R20/21- Harmful by inhalation and Harmful in contact with skin  
R38- Irritating to skin

#### S – statements

S16- Keep away from sources of ignition  
S37/39- Wear suitable gloves/Wear eye and face protection  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
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