

|               |                               |                |             |
|---------------|-------------------------------|----------------|-------------|
| Trading name: | <b>RESORCINOL, C.I. 76505</b> |                |             |
| Product code: | RES-P-X**                     | Revision date: | 21 Dec 2022 |
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### SECTION 1. Identification of the substance/mixture and of the company/undertaking

|      |   |  |
|------|---|--|
| 1.1. | Product identifier  |  |
|      | Substance name:   | RESORCINOL, C.I. 76505   |
|      | EC No:  | 203-585-2  |
|      | Synonyms:   | Resorcin, 1,3-benzenediol  |
|      | Catalogue number:   | RES-P-X**  |
|      | REACH registration number:  | -  |
|      | CAS No:   | 108-46-3   |
|      | Index no.:  | -  |
| 1.2. | Relevant identified uses of the substance or mixture and uses advised against |  |
|      | Uses:   | For differentiation between aldoses and ketoses in Seliwanoff's test by staining ketose sugars dark red.   |
|      | Uses advised against:   | Only the identified uses are advised.  |
|      | Reason why uses advised against:  | The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes. |
| 1.3. | Details of the supplier of the safety data sheet                              |  |
|      | Supplier:   | BioGnost Ltd.  |
|      | Address:  | Medjugorska 59, Zagreb   |
|      | Telephone number:   | +385 1 2409997   |
|      | Fax no.:  | +385 1 2404039   |
|      | e-mail of competent person:   | <a href="mailto:msds@biognost.hr">msds@biognost.hr</a>   |
|      | National contact:   | -  |
| 1.4. | Emergency telephone number  |  |
|      | National Protection and Rescue Directorate:                                   | 112  |
|      | Medical information:  | +385 1 2348 342  |
|      | Other information:  | -  |

### SECTION 2. Hazards information



|        |  |                     |
|--------|--|---------------------|
| 2.1.   | Classification of the substance or mixture                     |                     |
| 2.1.1. | Classification according to Regulation (EC) No 1272/2008 (CLP) |                     |
|        | Hazard class and category code:                                | Hazard statements*: |
|        | Acute Tox. 4   | H302                |
|        | Skin Irrit. 2  | H315                |
|        | Eye Irrit. 2   | H319                |
|        | Aquatic Acute 1  | H400                |
| 2.1.2. | Additional information   |                     |

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|   |
|---|
| - |
|---|

\*For full text of Hazard- and EU Hazard-statements: see Section 16

### 2.2. Label elements

|                                       |  |
|---------------------------------------|--|
| Product identification:               | RESORCINOL, C.I. 76505   |
| Identification number:                | -  |
| Authorization no.:                    | -  |
| Hazard pictograms:                    |    |
|                                       | GHS07                      GHS09   |
| Signal word:                          | Warning  |
| Hazard statements:                    | H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H400 Very toxic to aquatic life.  |
| Precautionary statements:             | P273 Avoid release to the environment.<br>P281 Wear personal protective gear.<br>P301+P312 IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.<br>P501 Dispose of contents/container in accordance with local regulations. |
| Supplemental hazard information (EU): | -  |

### 2.3. Other hazards

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|--|
| <p><b>Endocrine Disrupting Properties:</b><br/>No known endocrine disrupting properties</p> <p><b>Results of PBT and vPvB assessment:</b> According to the results of its assessment, this substance is not a PBT or a vPvB.</p> |
|--|

## SECTION 3. Composition/information on ingredients

| CAS No   | EC No:    | Index no.    | Identification name          | Weight % content (or range) |
|----------|-----------|--------------|------------------------------|-----------------------------|
| 108-46-3 | 203-585-2 | 604-010-00-1 | Resorcinol (1,3-benzenediol) | ≤ 100                       |

## SECTION 4. First aid measures

|      |                                   |
|------|-----------------------------------|
| 4.1. | Description of first aid measures |
|------|-----------------------------------|

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|                                     |  |
|-------------------------------------|--|
| General notes:                      | If the suggested first aid measures do not prove sufficient, seek medical attention.   |
| Following inhalation:               | Remove from exposure to fresh air immediately. Get medical attention.  |
| Following skin contact:             | In case of contact, flush skin with plenty of water while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists. |
| Following eye contact:              | Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.    |
| Following ingestion:                | If victim is conscious and alert, rinse mouth with water. Get medical attention.   |
| Self-protection of the first aider: | -  |
| <b>4.2.</b>                         | <b>Most important symptoms and effects, both acute and delayed</b>   |
| Following inhalation:               | May cause respiratory system irritation.   |
| Following skin contact:             | May cause severe skin irritation. May be absorbed through the skin in harmful amounts.   |
| Following eye contact:              | May cause serious eye damage.  |
| Following ingestion:                | May cause serious irritation of the digestive tract.   |
| <b>4.3.</b>                         | <b>Indication of any immediate medical attention and special treatment needed</b>  |
|                                     | -  |

|   |  |
|---|--|
| <b>SECTION 5. Firefighting measures</b> |  |
| <b>5.1.</b>                             | <b>Extinguishing media</b>   |
| Suitable extinguishing media:           | Water spray, carbon dioxide, dry powder, alcohol resistant foam.   |
| Unsuitable extinguishing media:         | -  |
| <b>5.2.</b>                             | <b>Special hazards arising from the substance or mixture</b>   |
| Hazardous combustion products:          | -  |
| <b>5.3.</b>                             | <b>Advice for firefighters</b>   |
|   | Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.                 |
| <b>5.4.</b>                             | <b>Additional information</b>  |
|   | Remove sources of heat and ignition. Suppress gases/vapors/mists with a water spray. Prevent fire extinguishing water from contaminating surface water or ground water system. |

|   |  |
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| <b>SECTION 6. Accidental release measures</b> |  |
| <b>6.1.</b>                                   | <b>Personal precautions, protective equipment and emergency procedures</b> |
| <b>6.1.1.</b>                                 | <b>For non-emergency personnel</b>   |
| Protective equipment:                         | Use personal protective equipment (see Section 8).                         |

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|        |  |   |
|--------|--|---|
|        | Accident prevention methods:                         | Evacuate members of all non-essential personnel and those members without protective equipment. Avoid breathing vapors and avoid contact with skin and eyes. Ensure adequate ventilation. |
|        | Emergency procedures:                                | Mark the area using proper signs.   |
| 6.1.2. | For emergency responders:                            |   |
|        |  | Use protective equipment; in case of inadequate ventilation use adequate airways protective equipment (see Section 8).  |
| 6.2.   | Environmental precautions:                           |   |
|        |  | Do not dispose of in sewage, drainage system or waterways.  |
| 6.3.   | Methods and material for containment and cleaning up |   |
| 6.3.1. | For creating barriers, covering and sealing:         | Cap the drains. Collect, bundle and pump out everything that got spilled. Pay attention to the possible material restrictions (see Sections 7 and 10). Collect in dry form.               |
| 6.3.2. | Cleaning up:   | Vacuum or sweep, then store in a tightly closed container. Prevent formation of dust. Ventilate the room.   |
| 6.3.3. | Other information:                                   | -   |
| 6.4.   | Reference to other sections                          |   |
|        |  | For indications of waste processing see Section 13.   |

| <b>SECTION 7. Handling and storage</b> |  |   |
|--|--|---|
| 7.1.                                   | Precautions for safe handling  |   |
| 7.1.1.                                 | Protection measures  |   |
|  | Measures to prevent fire:  | -   |
|  | Measures to prevent aerosol and dust generation:   | Secure proper ventilation. Reduce formation and build-up of dust.   |
|  | Measures to protect the environment:   | Do not empty into drains.   |
|  | Other measures:  | -   |
| 7.1.2.                                 | Advice on general occupational hygiene:  |   |
|  | Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating. Do not get in eyes, on skin, or on clothing. Keep the container tightly closed. Avoid swallowing and breathing. |   |
| 7.2.                                   | Conditions for safe storage, including any incompatibilities   |   |
|  | Technical measures and storage conditions:   | Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C, further from incompatible materials. |
|  | Packaging materials:   | Manufacturer's original packaging.  |
|  | Requirements for storage rooms and vessels:  | Keep away from food and drink. Keep the containers tightly closed.  |
|  | Advices for storage equipment:   | The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain  |

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|             |  |  |
|-------------|--|--|
|             |  | that directly leads into sewage system. Secure proper ventilation. |
|             | Further information on storage conditions: | No information available.  |
| <b>7.3.</b> | <b>Specific end use(s)</b>                 |  |
|             | Recommendations:                           | -  |
|             | Industrial sector specific solutions:      | -  |

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

| Substance | CAS No | Occupational exposure limit values/short term values |                   | Biological limit values |
|-----------|--------|--|-------------------|-------------------------|
|           |        | ppm  | mg/m <sup>3</sup> |                         |
| -         | -      | -  | -                 | -                       |

|                 |   |
|-----------------|---|
| Substance name: | - |
| EC No:          | - |
| CAS No:         | - |

**DNEL**

**Industrial**

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|-----------------------|----------------------|-------------------------|
| Oral               | -                  | -                     | -                    | -                       |
| Inhalation         | -                  | -                     | -                    | -                       |
| Dermal             | -                  | -                     | -                    | -                       |

Critical physical parameters: solubility, flammability, corrosivity:

**Consumer**

| Route of exposure: | Acute effect local | Acute effect systemic | Chronic effect local | Chronic effect systemic |
|--------------------|--------------------|-----------------------|----------------------|-------------------------|
| Oral               | -                  | -                     | -                    | -                       |
| Inhalation         | -                  | -                     | -                    | -                       |
| Dermal             | -                  | -                     | -                    | -                       |

**PNEC**

| Environmental protection target | PNEC                     |
|---------------------------------|--------------------------|
| Fresh water                     | No information available |
| Freshwater sediments            | No information available |

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|                                    |                          |
|------------------------------------|--------------------------|
| Marine water                       | No information available |
| Marine sediments                   | No information available |
| Food chain                         | No information available |
| Microorganisms in sewage treatment | No information available |
| Soil (agricultural)                | No information available |
| Air                                | No information available |

|      |                   |
|------|-------------------|
| 8.2. | Exposure controls |
|------|-------------------|

|        |                                  |
|--------|----------------------------------|
| 8.2.1. | Appropriate engineering controls |
|--------|----------------------------------|

|  |  |  |
|--|--|--|
|  | Substance/mixture related measures to prevent exposure during identified uses: | Use personal protective equipment. Do not eat, drink or smoke in the workspace.  |
|  | Structural measures to prevent exposure:                                       | No information available   |
|  | Organisational measures to prevent exposure:                                   | Organization of work in order to reduce other worker's influence during work process.  |
|  | Technical measures to prevent exposure:  | Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Facilities for storage and using of this product must be equipped with shower and faucet for eye rinsing. |

|        |                               |
|--------|-------------------------------|
| 8.2.2. | Personal protection equipment |
|--------|-------------------------------|

|          |                          |   |
|----------|--------------------------|---|
| 8.2.2.1. | Eye and face protection: | Safety glasses that stick to face or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air. |
| 8.2.2.2. | Skin protection          |   |
|          | Hand protection:         | Nitrile rubber protective gloves, 0.11 mm thick   |
|          | Other skin protection:   | Cotton clothing and adequate closed footwear.   |
| 8.2.2.3. | Respiratory protection:  | Suitable mask or half mask equipped with "A" filter used when concentration levels exceed GVI.  |
| 8.2.2.4. | Thermal hazards:         | -   |

|        |                                 |
|--------|---------------------------------|
| 8.2.3. | Environmental exposure controls |
|--------|---------------------------------|

|  |   |   |
|--|---|---|
|  | Substance/mixture related measures to prevent exposure: | See Section 6   |
|  | Structural measures to prevent exposure:                | Use modern equipment.   |
|  | Organisational measures to prevent exposure:            | Adapt the work process to the required working conditions of the workplace. |
|  | Technical measures to prevent exposure:                 | See Section 6   |

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### SECTION 9. Physical and chemical properties

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

|  |   | Value                            | Method                   |
|--|---|----------------------------------|--------------------------|
|  | Physical state:   | powder                           | No information available |
|  | Color:  | off-white                        | No information available |
|  | Odour/odour threshold:                                    | No information available         | No information available |
|  | Melting point / freezing point:                           | 109-111°C                        | No information available |
|  | Boiling point or initial boiling point and boiling range: | 178°C at 21 hPa                  | No information available |
|  | Flammability:   | No information available         | No information available |
|  | Lower and upper explosion limit:                          | No information available         | No information available |
|  | Flash point:  | 127 °C – closed cup              | No information available |
|  | Auto-ignition temperature:                                | 605 – 608 °C (at 1.013 hPa)      | No information available |
|  | Decomposition temperature:                                | No information available         | No information available |
|  | pH:   | No information available         | No information available |
|  | Kinematic viscosity:                                      | No information available         | No information available |
|  | Solubility:   | 717 g/l at 25 °C – water soluble | No information available |
|  | Partition coefficient n-octanol/water (log value):        | 0.8 at 20 °C                     | No information available |
|  | Vapour pressure:  | 1 hPa at 21.1 °C                 | No information available |
|  | Density and/or relative density:                          | 1.28 g/cm <sup>3</sup> (25°C)    | No information available |
|  | Relative vapour density:                                  | No information available         | No information available |
|  | Particle characteristics:                                 | No information available         | No information available |

#### 9.2. Other information

-

### SECTION 10. Stability and reactivity

|       |                     |   |
|-------|---------------------|---|
| 10.1. | Reactivity:         | No information available.   |
| 10.2. | Chemical stability: | The product is chemically stable under standard ambient conditions of storing and using (room temperature). |

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|       |                                     |  |
|-------|-------------------------------------|--|
| 10.3. | Possibility of hazardous reactions: | Risk of explosion with: nitric acid exothermic reaction with: ammonia, amines, organic nitro compounds, strong oxidizing agents, violent reactions possible with: bases, metallic salts, iron, acid anhydrides, acid chlorides |
| 10.4. | Conditions to avoid:                | Strong heating.  |
| 10.5. | Incompatible materials:             | No information available.  |
| 10.6. | Hazardous decomposition products:   | See Section 5.   |

**SECTION 11. Toxicological information**

11.1. Information on toxicological effects

Acute toxicity:

| Route of exposure:   | Method                   | Species                  | Dose<br>LD <sub>50</sub> /LC <sub>50</sub> | Exposure time            | Results     |
|----------------------|--------------------------|--------------------------|--|--------------------------|-------------|
| Oral exposure:       | No information available | Rat                      | LD <sub>50</sub>                           | No information available | 510 mg/kg   |
| Dermal exposure:     | No information available | Rabbit                   | LD <sub>50</sub>                           | No information available | 2.830 mg/kg |
| Inhalation exposure: | No information available | No information available | No information available                   | No information available | -           |

Specific target organ toxicity – single exposure (STOT SE):

|                      | Specific effects         | Target organ             | Note |
|----------------------|--------------------------|--------------------------|------|
| Oral exposure:       | No information available | No information available | -    |
| Dermal exposure:     | No information available | No information available | -    |
| Inhalation exposure: | No information available | No information available | -    |

Aspiration hazard: No information available

Irritation and corrosion

|                            | Exposure time            | Species | Evaluation | Method                   | Note               |
|----------------------------|--------------------------|---------|------------|--------------------------|--------------------|
| Skin corrosion/irritation: | No information available | rabbit  | -          | No information available | Irritating to skin |



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|                               |                          |        |   |                          |                                 |
|-------------------------------|--------------------------|--------|---|--------------------------|---------------------------------|
| Serious eye damage/irritation | No information available | rabbit | - | No information available | Irreversible effects on the eye |
|-------------------------------|--------------------------|--------|---|--------------------------|---------------------------------|

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|---------------|--|--|--|--|--|
| Sensitization |  |  |  |  |  |
|---------------|--|--|--|--|--|

|                  |                          |  |  |  |  |
|------------------|--------------------------|--|--|--|--|
| Dermal exposure: | No information available |  |  |  |  |
|------------------|--------------------------|--|--|--|--|

|                      |                          |  |  |  |  |
|----------------------|--------------------------|--|--|--|--|
| Inhalation exposure: | No information available |  |  |  |  |
|----------------------|--------------------------|--|--|--|--|

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|--|--|--|--|--|--|
| Symptoms related to the physical, chemical and toxicological characteristics |  |  |  |  |  |
|--|--|--|--|--|--|

|                |                       |  |  |  |  |
|----------------|-----------------------|--|--|--|--|
| Oral exposure: | Harmful if swallowed. |  |  |  |  |
|----------------|-----------------------|--|--|--|--|

|                  |   |  |  |  |  |
|------------------|---|--|--|--|--|
| Dermal exposure: | Harmful by inhalation and in contact with skin. |  |  |  |  |
|------------------|---|--|--|--|--|

|                      |                       |  |  |  |  |
|----------------------|-----------------------|--|--|--|--|
| Inhalation exposure: | Harmful if swallowed. |  |  |  |  |
|----------------------|-----------------------|--|--|--|--|

|               |                                 |  |  |  |  |
|---------------|---------------------------------|--|--|--|--|
| Eye exposure: | Risk of serious damage to eyes. |  |  |  |  |
|---------------|---------------------------------|--|--|--|--|

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|--|--|--|--|--|--|
| Repeated dose toxicity (subacute, subchronic, chronic) |  |  |  |  |  |
|--|--|--|--|--|--|

|                       | Dose                     | Exposure time            | Species                  | Method                   | Evaluation               | Note |
|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Subacute oral         | No information available | No information available | No information available | No information available | No information available | -    |
| Subacute dermal       | No information available | No information available | No information available | No information available | No information available | -    |
| Subacute inhalation   | No information available | No information available | No information available | No information available | No information available | -    |
| Subchronic oral       | No information available | No information available | No information available | No information available | No information available | -    |
| Subchronic dermal     | No information available | No information available | No information available | No information available | No information available | -    |
| Subchronic inhalation | No information available | No information available | No information available | No information available | No information available | -    |
| Chronic oral          | No information available | No information available | No information available | No information available | No information available | -    |

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|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| Chronic dermal     | No information available | No information available | No information available | No information available | No information available | - |
| Chronic inhalation | No information available | No information available | No information available | No information available | No information available | - |

| Specific target organ toxicity – repeated exposure (STOT RE): |                          |                          |      |
|---|--------------------------|--------------------------|------|
|   | Specific effects         | Target organ             | Note |
| Subacute oral   | No information available | No information available | -    |
| Subacute dermal   | No information available | No information available | -    |
| Subacute inhalation   | No information available | No information available | -    |
| Subchronic oral   | No information available | No information available | -    |
| Subchronic dermal   | No information available | No information available | -    |
| Subchronic inhalation   | No information available | No information available | -    |
| Chronic oral  | No information available | No information available | -    |
| Chronic dermal  | No information available | No information available | -    |
| Chronic inhalation  | No information available | No information available | -    |

| CMR effects (carcinogenicity, mutagenicity, reproductive toxicity) |                          |
|--|--------------------------|
| Carcinogenicity:   | No information available |
| Mutagenicity <i>in-vitro</i> :                                     | No information available |
| Genotoxicity:  | No information available |
| Mutagenicity <i>in-vivo</i> :                                      | No information available |
| Germ cell mutagenicity:  | No information available |
| Reproductive toxicity:   | No information available |

|  |                          |
|--|--------------------------|
| Summary of evaluation of the CMR properties: | No information available |
|--|--------------------------|

**11.2. Information on other hazards:**

**11.2.1. Endocrine disrupting properties:**

|  |  |
|--|--|
| <p>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission</p> |  |
|--|--|

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|         | Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| 11.2.2. | Other information:                                    |
|         | -   |

**SECTION 12. Ecological information**

**12.1. Toxicity**

| Acute (short-term) toxicity | Dose             | Exposure time | Species  | Method                   | Evaluation               | Note      |
|-----------------------------|------------------|---------------|--|--------------------------|--------------------------|-----------|
| Fish                        | LC <sub>50</sub> | 96 hours      | <i>P. promelas</i> (fathead minnow)                  | No information available | No information available | 29.5 mg/L |
| Crustacea:                  | EC <sub>50</sub> | 48 hours      | <i>Daphnia magna</i> (water flea)                    | No information available | No information available | 1 mg/L    |
| Algae/aquatic plants        | IC <sub>50</sub> | 72 hours      | <i>Pseudokirchneriella subcapitata</i> (Green algae) | No information available | No information available | 97 mg/L   |
| Other organisms             | -                | -             | -  | -                        | -                        | -         |

| Chronic (long-term) toxicity | Dose | Exposure time | Species | Method | Evaluation | Note |
|------------------------------|------|---------------|---------|--------|------------|------|
|------------------------------|------|---------------|---------|--------|------------|------|

|                      |                  |          |                          |                          |                          |   |
|----------------------|------------------|----------|--------------------------|--------------------------|--------------------------|---|
| Fish                 | LC <sub>50</sub> | 96 hours | No information available | No information available | No information available | - |
| Crustacea:           | EC <sub>50</sub> | 48 hours | No information available | No information available | No information available | - |
| Algae/aquatic plants | IC <sub>50</sub> | 72 hours | No information available | No information available | No information available | - |
| Other organisms      | -                | -        | -                        | -                        | -                        | - |

**12.2. Persistence and degradability**

**Abiotic degradation**

|              | Degradation half-lives   | Method                   | Evaluation               | Note |
|--------------|--------------------------|--------------------------|--------------------------|------|
| Marine water | No information available | No information available | No information available | -    |
| Fresh water  | No information available | No information available | No information available | -    |
| Air          | No information available | No information available | No information available | -    |

|               |                               |                |             |          |   |
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|      |                          |                          |                          |   |
|------|--------------------------|--------------------------|--------------------------|---|
| Soil | No information available | No information available | No information available | - |
|------|--------------------------|--------------------------|--------------------------|---|

**Biodegradation**

| % Degradation               | Time (days) | Method                   | Evaluation               | Note |
|-----------------------------|-------------|--------------------------|--------------------------|------|
| 66.7% readily biodegradable | 14 d        | OECD Test Guideline 301C | No information available | -    |
|                             |             |                          |                          |      |

**12.3. Bioaccumulative potential**

Partition coefficient: n-octanol/water (log Kow):

| Value                    | Concentration            | pH | °C | Method                   | Evaluation               | Note                     |
|--------------------------|--------------------------|----|----|--------------------------|--------------------------|--------------------------|
| No information available | No information available | -  | -  | No information available | No information available | No information available |
|                          |                          |    |    |                          |                          |                          |

**Bioconcentration factor (BCF)**

| Value                    | Species                  | Method                   | Evaluation               | Note                     |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| No information available | No information available | No information available | No information available | No information available |
|                          |                          |                          |                          |                          |

**Chronic ecotoxicity**

| Value                                   | Dose             | Exposure time            | Species                  | Method                   | Evaluation               | Note |
|---|------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Chronic toxicity on fish                | LC <sub>50</sub> | No information available | No information available | No information available | No information available | -    |
| Chronic toxicity on crustacea (Daphnia) | EC <sub>50</sub> | No information available | No information available | No information available | No information available | -    |

**12.4. Mobility in soil**

Known or predicted distribution in environmental compartments:

No information available

|               |                               |                |             |          |   |
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| Surface tension: |                          |                          |                          |                          |      |
|------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
|                  | Value                    | °C                       | Concentration            | Method                   | Note |
|                  | No information available | No information available | No information available | No information available | -    |
|                  |                          |                          |                          |                          |      |
|                  |                          |                          |                          |                          |      |

| Adsorption / desorption |                                     |                          |                          |                          |                          |      |
|-------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|
| Transport               | A/D coefficient<br>Henry's constant |                          | log Kow                  | Evaporation<br>rate      | Method                   | Note |
| Soil-water              | No information available            | No information available | No information available | No information available | No information available | -    |
| Water-air               | No information available            | No information available | No information available | No information available | No information available | -    |
| Soil-air                | No information available            | No information available | No information available | No information available | No information available | -    |

|              |   |
|--------------|---|
| <b>12.5.</b> | <b>Results of PBT and vPvB assessment</b>   |
|              | 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.  |
| <b>12.6.</b> | <b>Endocrine disrupting properties</b>  |
|              | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| <b>12.7.</b> | <b>Other adverse effects</b>  |
|              | No information available  |

|  |  |
|--|--|
| <b>SECTION 13. Disposal considerations</b> |  |
| <b>13.1.</b>                               | <b>Waste treatment methods</b>   |
|  |  |
| <b>13.1.1.</b>                             | <b>Product/Packaging disposal:</b>   |
|  | Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection. |
|  |  |
| <b>13.1.2.</b>                             | <b>Waste codes/waste designations according to Law:</b>  |
|  | No information available   |

|               |                               |                |             |
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|         |   |
|---------|---|
| 13.1.3. | Waste treatment – relevant information:   |
|         | No information available  |
| 13.1.4. | Sewage disposal – relevant information:   |
|         | Waste must not be disposed of into the sewage system.   |
| 13.1.5. | Other disposal recommendations:   |
|         | Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur. |
| 13.1.6. | Relevant Community provisions:  |
|         | -   |

| <b>SECTION 14 TRANSPORT INFORMATION</b>         |            |
|---|------------|
| Transporting/shipment by road (ADR)             |            |
| UN number:                                      | 2876       |
| UN proper shipping name:                        | Resorcinol |
| Transport hazard class(es):                     | 6.1        |
| Packing group:                                  | III        |
| Environmental hazard(s):                        | yes        |
| Special precautions for user:                   | -          |
| Transporting/shipment by rail (RID)             |            |
| UN number:                                      | 2876       |
| UN proper shipping name:                        | Resorcinol |
| Transport hazard class(es):                     | 6.1        |
| Packing group:                                  | III        |
| Environmental hazard(s):                        | yes        |
| Special precautions for user:                   | -          |
| Transporting/shipment by inland waterways (ADN) |            |
| UN number:                                      | 2876       |
| UN proper shipping name:                        | Resorcinol |
| Transport hazard class(es):                     | 6.1        |
| Packing group:                                  | III        |
| Environmental hazard(s):                        | yes        |
| Special precautions for user:                   | -          |
| Transporting/shipment by sea (IMDG)             |            |

|               |                               |                |             |          |   |
|---------------|-------------------------------|----------------|-------------|----------|---|
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| Product code: | RES-P-X**                     | Revision date: | 21 Dec 2022 | Version: | 3 |

|   |            |
|---|------------|
| UN number:  | 2876       |
| UN proper shipping name:  | Resorcinol |
| Transport hazard class(es):   | 6.1        |
| Packing group:  | III        |
| Environmental hazard(s):  | yes        |
| Special precautions for user:   | -          |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: | -          |
| Transporting/shipment by air (ICAO-TI/IATA-DGR)                           |            |
| UN number:  | 2876       |
| UN proper shipping name:  | Resorcinol |
| Transport hazard class(es):   | 6.1        |
| Packing group:  | III        |
| Environmental hazard(s):  | yes        |
| Special precautions for user:   | -          |
| Further information:  | -          |

**SECTION 15. Regulatory information**

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

|  |   |
|--|---|
| EU regulations                           |   |
| Authorization and/or restrictions of use |   |
| Authorizations:                          | -   |
| Restrictions:                            | -   |
| Other EU regulations:                    | <p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;</p> <p>Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC;</p> <p>Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work;</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;</p> |

|               |                               |                |             |
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|              |  |  |
|--------------|--|--|
|              |  | REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);  |
|              | Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline) |  |
|              | National legislation:  | Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Transport of Hazardous Substances Act |
| <b>15.2.</b> | <b>Chemical safety assessment</b>  |  |
|              | None   |  |

| <b>SECTION 16. Other information</b> |   |  |
|--------------------------------------|---|--|
| 16.1.                                | Indication of changes:  | -  |
| 16.2.                                | Abbreviations and acronyms:   | ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)<br>IMDG: International Maritime Code for Dangerous Goods<br>IATA: International Air Transport Association<br>GHS: Globally Harmonised System of Classification and Labelling of Chemicals<br>EINECS: European Inventory of Existing Commercial Chemical Substances<br>CAS: Chemical Abstracts Service (division of the American Chemical Society)<br>DNEL: Derived No-Effect Level (UK REACH)<br>LC50: Lethal concentration, 50 percent<br>LD50: Lethal dose, 50 percent<br>PBT: Persistent, Bioaccumulative and Toxic<br>vPvB: very Persistent and very Bioaccumulative |
| 16.3.                                | Key literature references and source of data:   | -  |
| 16.4.                                | Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP) |  |
|                                      | Classification  | Classification procedure   |
|                                      | -   | -  |
| 16.5.                                | Relevant H statements (number and full text)  |  |
|                                      | H:  |  |
|                                      | 302   | Harmful if swallowed.  |
|                                      | 315   | Causes skin irritation.  |
|                                      | 319   | Causes serious eye irritation.   |
|                                      | 400   | Very toxic to aquatic life.  |
| 16.6.                                | Training advice:  | -  |
| 16.7.                                | Further information:  | ** "X" in the product code marks different volumes (different packaging of the product)  |



|               |                               |                |             |          |   |
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We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.

**ANNEX:**  
**EXPOSURE SCENARIO RESULTING TO CHEMICAL SAFETY ASSESSMENT**

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