

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

10.03.2016

SECTION1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name: RNA Extracol

Product Number: E3700

Brand: EURx

REACH No: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Laboratory chemicals. Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company: EURx Sp. z o.o.

80-297 Gdańsk, ul. Przyrodników 3

tel. (58) 524-06-97, (58) 341-74-23, godz. 8.00 -17.00, working days.

E-mail address: eurx@eurx.com.pl

1.4 Emergency telephone number

Fire brigade: 998

Whole day: 112

Outside Poland: Call your regional Poisons Information Service or call local Life Saving Service

2 SECTION2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity, Oral (Category 3), H301

Acute toxicity, Inhalation (Category 3), H331

Acute toxicity, Dermal (Category 3), H311

Skin corrosion (Category 1B), H314

Germ cell mutagenicity (Category 2), H341

Specific target organ toxicity - repeated exposure (Category 2), H373

Chronic aquatic toxicity (Category 2), H411

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word: Danger

Hazard statements:

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled
 H314 Causes severe skin burns and eye damage.
 H341 Suspected of causing genetic defects.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements:

EUH032 Contact with acids liberates very toxic gas.

Precautionary statements:

Prevention:

P201 Obtain special instructions before use.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Rinse mouth.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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 SECTION3: Composition/information on ingredients

3.1 Components: none

3.2 Mixtures

Synonyms: trizol

Hazardous components according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
<p>Phenol</p> <p>CAS No 108-95-2 EC No 203-632-7 Index No 604-001-00-2</p>	<p>Acute Tox. 3; Skin Corr. 1B; Muta. 2; STOT RE 2; Aquatic Chronic 2; H301, H331, H311, H314, H341, H373, H411 Concentration limits: >= 3 %: Skin Corr. 1B, H314; 1 - < 3 %: Skin Irrit. 2, H315; 1- < 3 %: Eye Irrit. 2, H319;</p>	<p>>= 50 - < 70</p>

Component	Classification	Concentration
<p>Guanidinium thiocyanate</p> <p>Nr CAS 593-84-0 EC No 209-812-1 Index No 615-004-00-3</p>	<p>Xn; R20/21/22, R32, R52-R53 C; R34 Acute Tox. 4; Skin Corr. 1C; Aquatic Chronic 3; H302, H332, H312, H314, H412</p>	<p>>= 30 - < 50</p>

For explanation of abbreviations see section 16.

4 SECTION4: First aid measures

4.1 Description of first aid measures

General advice

Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Consult a physician.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

If symptoms persist, call a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water while removing all contaminated clothes and shoes.

Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

<p>5 SECTION5: Firefighting measures</p> <p>5.1 Extinguishing media Suitable extinguishing media Dry powder</p> <p>5.2 Special hazards arising from the substance or mixture Hazardous combustion products Carbon oxides Nitrogen oxides (NOx) Sulphur oxides</p> <p>5.3 Advice for firefighters Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.</p> <p>5.4 Further information In the event of fire and/or explosion do not breathe fumes.</p>								
<p>6 SECTION6: Accidental release measures</p> <p>6.1 Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.</p> <p>6.2 Environmental precautions Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.</p> <p>6.3 Methods and material for containment and cleaning up Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not flush with water. Keep in suitable, closed containers for disposal.</p> <p>6.4 Reference to other sections For personal protection see section 8.</p>								
<p>7 SECTION7: Handling and storage</p> <p>7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.</p> <p>7.2 Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Never allow product to get in contact with water during storage. Do not store near acids. Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects.</p> <p>7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</p>								
<p>8 SECTION8: Exposure controls/personal protection</p> <p>8.1 Control parameters Components with workplace control parameters</p> <p>108-95-2 phenol</p> <table border="0"> <tr> <td>ACGIH TLV</td> <td>19 mg/m³, 5 ppm Skin; BEI</td> </tr> <tr> <td>NIOSH REL</td> <td>Short-term value: C 60* mg/m³, C 15.6* ppm</td> </tr> <tr> <td></td> <td>Long-term value: 19 mg/m³, 5 ppm *15-min</td> </tr> <tr> <td>OSHA PEL</td> <td>19 mg/m³, 5 ppm, Skin</td> </tr> </table>	ACGIH TLV	19 mg/m ³ , 5 ppm Skin; BEI	NIOSH REL	Short-term value: C 60* mg/m ³ , C 15.6* ppm		Long-term value: 19 mg/m ³ , 5 ppm *15-min	OSHA PEL	19 mg/m ³ , 5 ppm, Skin
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8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye protection

Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems. Do not wear contact lenses. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection Remarks

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Protective gloves complying with EN 374.

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Acid-resistant protective clothing Footwear protecting against chemicals

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9 SECTION9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: violet liquid
b) Odour	characteristic
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	79 °C - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	0,47 hPa
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	soluble
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	not determined
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

<p>9.2 Other safety information no data available</p>
<p>10 SECTION10: Stability and reactivity</p> <p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability No decomposition if stored and applied as directed.</p> <p>10.3 Possibility of hazardous reactions Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions. Thiocyanates can develop poisonous gas in contact with strong acids. Keep away from oxidizing agents, and acidic or alkaline products.</p> <p>10.4 Conditions to avoid Heat, flames and sparks. Light.</p> <p>10.5 Incompatible materials Strong oxidizing agents, Strong bases, Strong acids, Metals</p> <p>10.6 Hazardous decomposition products Other decomposition products - Hydrogen cyanide (hydrocyanic acid) In the event of fire: see section 5</p>
<p>11 SECTION11: Toxicological information</p> <p>11.1 Information on toxicological effects</p> <p>Acute toxicity Primary irritant effect: on the skin: Caustic effect on skin and mucous membranes. on the eye: Strong caustic effect.</p> <p>Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)</p> <p>Reproductive toxicity No data available</p> <p>Specific target organ toxicity - single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Additional Information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Circulatory collapse, tachypnea, paralysis, Convulsions, Coma., necrosis of mouth and G.I. Tract, Jaundice, respiratory failure, cardiac arrest.</p>
<p>12 SECTION12: Ecological information</p> <p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p>

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

13 SECTION13: Disposal considerations

13.1 Waste treatment methods

Product:

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Do not re-use empty containers.

14 SECTION14: Transport information

14.1 UN number

ADR/RID: 2821 IMDG: 2821 IATA: 2821

14.2 UN proper shipping name

ADR/RID: PHENOL SOLUTION

IMDG: PHENOL SOLUTION

IATA: Phenol solution

14.3 Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packing group

ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards

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

14.6 Special precautions for user

For personal protection see section 8.

15 SECTION15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

No data available

16 SECTION16: Other information**Full text of H-Statements**

H301	Toxic if swallowed.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled
H302:	Harmful if swallowed.
H311	Toxic in contact with skin.
H312:	Harmful in contact with skin.
H314:	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332:	Harmful if inhaled.
H412:	Harmful to aquatic life with long lasting effects.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

Futher information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. EURx Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.