## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name**

**STROMATOLYSER-NR(L)**

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

**Relevant identified uses of the substance or mixture**
For in-vitro diagnosis

**Uses advised against**
No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**
SYSMEX LTD
Sysmex House
Garamonde Drive
Wymbush
Milton Keynes
Buckinghamshire MK8 8DF
United Kingdom

Telephone no. +44 (0)333 320 3460
Fax no. +44 (0)1908 267 901

**Advice on Safety Data Sheet**
info@sysmex-europe.com

### 1.4 Emergency telephone number

For medical advice:
+353 1 809 2166 (National Poisons Information Centre)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**
Skin Sens. 1; H317

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS07

**Signal word**
Warning

**Hazardous component(s) to be indicated on label:**
maleic acid

**Hazard statement(s)**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |

**Precautionary statement(s)**

| | |
|---|---|
| P261 | Avoid breathing spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P501 | Dispose of contents/container to a facility in accordance with local and national regulations. |

### 2.3 Other hazards

PBT assessment
No data available.

vPvB assessment
No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Hazardous ingredients**

| No | Substance name | | Additional information | |
|---|---|---|---|---|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | **maleic acid** | | | |
| | 110-16-7<br>203-742-5<br>607-095-00-3<br>- | Acute Tox. 4*; H302<br>Eye Irrit. 2; H319<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>STOT SE 3; H335 | < 0,50 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16
(*,**,***,****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|---|---|---|---|---|
| 1 | - | Skin Sens. 1; H317: C >= 0,1% | - | - |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information**
In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**
Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**
Wash off immediately with soap and water.

**After eye contact**
Separate eyelids, wash the eyes thoroughly with water (15 min.).

**After ingestion**
Call a doctor immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**
Foam; Extinguishing powder; Carbon dioxide; Water spray jet

**Unsuitable extinguishing media**
High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); Nitrogen oxides (NOx); Bromine compounds

### 5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**
Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not inhale vapours. Keep away from ignition sources.

**For emergency responders**
No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3 Methods and material for containment and cleaning up
Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections
No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling**
Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**
Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands and skin before breaks and after work. Do not inhale vapours. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Have emergency shower available.

**Advice on protection against fire and explosion**
Keep away from sources of heat and ignition. Vapours can form an explosive mixture with air.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**
Keep container tightly closed in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**
Containers which are opened must be carefully closed and kept upright to prevent leakage.

**Incompatible products**
Do not store together with: oxidizing agents

### 7.3 Specific end use(s)
No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters
No parameters available for monitoring.

### 8.2 Exposure controls

**Appropriate engineering controls**
No data available.

**Personal protective equipment**

**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**
Safety glasses with side protection shield (EN 166)

**Hand protection**
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**
Normal chemical work clothing.

**Environmental exposure controls**
No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| **State of aggregation** |
|---|
| liquid |

| **Form/Colour** |
|---|
| liquid |
| colourless, clear |

| **Odour** |
|---|
| odourless |

| **pH value** | | |
|---|---|---|
| Value | appr. | 2,7 |

| **Boiling point / boiling range** |
|---|
| No data available |

| **Melting point/freezing point** |
|---|
| No data available |

| **Decomposition temperature** |
|---|
| No data available |

| **Flash point** |
|---|
| No data available |

| **Ignition temperature** |
|---|
| No data available |

| **Flammability** |
|---|
| No data available |

| **Lower explosion limit** |
|---|
| No data available |

| **Upper explosion limit** |
|---|
| No data available |

| **Vapour pressure** |
|---|
| No data available |

| **Relative vapour density** |
|---|
| No data available |

| **Relative density** |
|---|
| No data available |

| **Density** |
|---|
| No data available |

| **Solubility in water** | |
|---|---|
| Comments | miscible |

| **Solubility** |
|---|
| No data available |

| **Partition coefficient n-octanol/water (log value)** |
|---|
| No data available |

| **Kinematic viscosity** |
|---|
| No data available |

| **Particle characteristics** |
|---|
| No data available |

### 9.2 Other information

| **Other information** |
|---|
| No data available. |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity
Dangerous reactions are not expected if the product is handled according to its intended use.

### 10.2 Chemical stability
Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions
None, when used as directed.

### 10.4 Conditions to avoid
None, if handled according to intended use.

### 10.5 Incompatible materials
Oxidizing agents

### 10.6 Hazardous decomposition products
None, if handled according to intended use.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| **Acute oral toxicity** |
|---|
| No data available |

| **Acute dermal toxicity** |
|---|
| No data available |

| **Acute inhalational toxicity** |
|---|
| No data available |

| **Skin corrosion/irritation** |
|---|
| No data available |

| **Serious eye damage/irritation** |
|---|
| No data available |

| **Respiratory or skin sensitisation** |
|---|
| No data available |

| **Germ cell mutagenicity** |
|---|
| No data available |

| **Reproduction toxicity** |
|---|

No data available

**Carcinogenicity**
No data available

**STOT - single exposure**
No data available

**STOT - repeated exposure**
No data available

**Aspiration hazard**
No data available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**
Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting. Eye contact with the product may lead to irritation. Frequent persistent contact with the skin can cause skin irritation.

### 11.2 Information on other hazards

**Endocrine disrupting properties**
No data available.

**Other information**
No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Toxicity to fish (acute)**
No data available

**Toxicity to fish (chronic)**
No data available

**Toxicity to Daphnia (acute)**
No data available

**Toxicity to Daphnia (chronic)**
No data available

**Toxicity to algae (acute)**
No data available

**Toxicity to algae (chronic)**
No data available

**Bacteria 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 PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|---|---|
| PBT assessment | No data available. |
| vPvB assessment | No data available. |

### 12.6 Endocrine disrupting properties
No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

| Other information |
|---|
| Do not discharge product unmonitored into the environment. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**
Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG
The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information
No data available.

### 14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user
No data available.

### 14.7 Maritime transport in bulk according to IMO instruments
Not relevant

## SECTION 15: Regulatory information

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

**EU regulations**

| Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation) |
|---|
| According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006. |

| REACH candidate list of substances of very high concern (SVHC) for authorisation |
|---|
| According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006. |

| Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES | | | | |
|---|---|---|---|---|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | | | No 3 | |
| The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | | | | |
| **No** | **Substance name** | **CAS no.** | **EC no.** | **No** |
| **1** | **maleic acid** | **110-16-7** | **203-742-5** | **75** |

| Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances |
|---|

This product is not subject to Part 1 or 2 of Annex I.

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

**Sources of key data used to compile the data sheet:**
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |

**Creation of the safety data sheet**
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This information is based on our present knowledge and experience.
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