AnalytiChem Belgium NV
Industriezone “De Arend” 2
B-8210 ZEDELGEM - BELGIUM
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# SAFETY DATA SHEET

## 1. Identification of the substance / preparation and company.

### 1.1 Product identifier

| | |
|---|---|
| Product Nr. | CL06.0603 |
| Trade name | Phenolphtalein 10 g/l in propanol-2 indicator solution |
| REACH Registration Number | A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, 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 adviced against

Identified uses: Reagent for analysis
In compliance with the conditions described in the annex to this safety data sheet.

### 1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV
Industriezone "De Arend" 2
B-8210 Zedelgem
BELGIUM
Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

### 1.4 Emergency telephone: 00 (32) 50.28.83.20

## 2. Hazard identification

### 2.1 Classification of the substance or the mixture (EG 1272/2008)

Flammable liquid, Categorie 2, H225
Eye irritation, Categorie 2, H319
Specific target organ toxicity - single exposure, Categorie 3, H336
Carcinogenicity, Categorie 1B, H350
Germ cell mutagenicity, Categorie 2, H341

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

### 2.2 GHS-Labelling

GHS-Labelling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)
Hazard pictograms:



Signal word:
Danger :

Hazard statements:

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |

| | |
|---|---|
| H336 | May cause drowsiness or dizziness. |
| H350 | May cause cancer. |
| H341 | Suspected of causing genetic defects. |

Precautionary statements:

| | |
|---|---|
| P210 | Keep away from heat, sparks, open flames, hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P201 | Obtain special instructions before use. |
| P281 | Use personal protective equipment as required. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |

Reduced labelling
Hazard pictograms:







Signal word:
Danger :

## 3. Composition / Information on ingredients.

### 3.1 Substance

Not applicable

### 3.2 Mixture

Hazardous Ingredients:
Name according to EC directives:

| Component | Cas-No. | Concentration | Classification (REGULATION (EC) No 1272/2008) |
|---|---|---|---|
| Propanol-2 (iso-Propanol) a.r. | 67-63-0 | ≥90% | Flam. Liq. 2 (H225)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H336) |
| Phenolphtalein indicator | 77-09-8 | ≥0,5%-<2% | Carc. (H350)<br>Muta. 2 (H341)<br>0 (H361f) |

| Component | Reach Number |
|---|---|
| Propanol-2 (iso-Propanol) a.r. | 01-2119457558-25 |
| Phenolphtalein indicator | 01-2119498295-24 |

For the full text of H-Phrases mentioned in this Section, see Section 16.

## 4. First aid measures.

### 4.1 Description of first aid measures

**General advice**

First-aid personnel: ensure self-protection!

After inhalation: Remove to fresh air, seek medical advice.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing.

After contact with eyes: Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call an ophtalmologist.

After ingestion: Never give anything by mouth to an unconscious person. Make victim drink plenty of water. Avoid vomiting. Keep airways free. In case of spontaneous vomiting, risk of aspiration. Pulmonary failure possible. Call in physician.

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

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

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

No data available

## 5. Fire fighting measures.

### 5.1 Extinguishing media

**Suitable extinguishing media**
Use dry chemical or carbon dioxide.
**Unsuitable extinguishing media**
Do not use water. Cool container with spray water from a save distance. Prevent fire-fighting water from entering surface water or groundwater.

### 5.2 Special hazards arising from substance or mixture

Combustible. Vapours heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 Advice for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus.

### 5.4 Further information

No data available

## 6. Accidental release measures.

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

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.
For personal protection see section 8.

### 6.2 Environmental precautions

Do not allow to enter sewerage system; risk of explosion!

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

Absorb on vermiculite, sand or a pillow from Chemical Spill Center.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. Handling and storage.

### 7.1 Precautions for safe handling

Keep away from sources of ignition. Take measures to prevent electrostatic charging. Work under hood. Do not inhale substance. Avoid generation of vapours/aerosols.
For precautions see section 2.2

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

Closed in a well ventilated place. Away from sources of ignition and heat.
Recommended storage temperature see product label.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. Exposure controls - Personal protection.

### 8.1 Control parameters

### 8.2 Exposure controls

**Engineering measures**
Protective clothing should be selected specificlly for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

**Individual protection measures**
Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

**Respiratory protections**
Required when vapours/aerosols are generated.
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Eye protection**
Required.

**Hand protection**
Required.

**Body protection**
Required.

**Environmental exposure controls**
Do not allow to enter sewerage system; risk of explosion!

## 9. Physical and chemical properties.

### 9.1 Information on basic physical

| | |
|---|---|
| Appearence | |
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | 2-Propanol |
| Changes in physical state | |
| Melting Point: | -89°C |
| Boiling point: | 82°C |

| | |
|---|---|
| Flash point: | 12°C |
| Self Ignation temperature: | 485°C |
| Mol. Weight: | - |
| Density: | 0,78 g/ml |
| pH value: | pH < 2 |
| Solubility in water: | soluble |
| Explosion limits: | lower 4 vol% / upper 19 vol% |
| Further information: | explosion limits - l |

**9.2 Other data**

No further relevant information available.

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## 10. Stability and reactivity.

**10.1 Reactivity**

See section 10.3

**10.2 Chemical stability**

No further relevant information available.

**10.3 Possibility of hazardous reactions**

Explosible with air in a vaporous/gaseous state when heated

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

No further relevant information available.

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## 11. Toxicological information.

**11.1 Information on toxicological effects**

Acute oral toxity
LD50 orl. rat 5045 mg/kg

Acute inhalation toxity
No further relevant information available.

Acute dermal toxity
No further relevant information available.

Skin irritation
No further relevant information available.

Eye irritation
No further relevant information available.

Sensitisation
No further relevant information available.

Germ cell mutagenicity
No further relevant information available.

Carcinogenicity
No further relevant information available.

Reproductive toxity
No further relevant information available.

Teratogenicity
No further relevant information available.

Specific target organ toxity - single exposure
No further relevant information available.

Specific target organ toxity - repeated exposure
No further relevant information available.

Aspiration hazard
No further relevant information available.

**11.2 Further information**

No further relevant information available.
Further data:
Handle in accordance with good industrial hygiene and safety practice..

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## 12. Ecological information.

**12.1 Toxity**

No further relevant information available.

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

No further relevant information available.

**12.6 Other adverse effects**

No ecological problems are to be expected when the product is hand led and used with due care and attention

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## 13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. Transport information.

**Land Transport (ADR/RID)**

| | |
|---|---|
| **14.1 UN number** | UN 1219 |
| **14.2 Proper shipping name** | Isopropanol |
| **14.3 Class** | 3 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | no |
| Tunnel restriction code | (D/E) |

**Inland waterway transport (ADN)**

Not relevant

**Air Transport (IATA)**

| | |
|---|---|
| **14.1 UN number** | UN 1219 |

| | |
|---|---|
| **14.2 Proper shipping name** | Isopropanol |
| **14.3 Class** | 3 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | no |

**Sea Transport (IMDG)**

| | |
|---|---|
| **14.1 UN number** | UN 1219 |
| **14.2 Proper shipping name** | Isopropanol |
| **14.3 Class** | 3 |
| **14.4 Packing group** | II |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | no |

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not relevant

## 15. Regulatory information.

**15.1 Safety, health and environmental regulations/legislation speficic for the substance or mixture**
For this product an assessment was not carried out.

**15.2 Chemical Safety Assesment**
For this product an assessment was not carried out.

## 16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although outmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

Full text of H-Statements referred to under sections 2 and 3.

| | |
|---|---|
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| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H361f | H361f |