Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 30.10.2019  
Version: 7.1  
Print date: 30.10.2019

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

1.1 Product identifier

<table>
<thead>
<tr>
<th>Trade name/designation:</th>
<th>Chloramphenicol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.:</td>
<td>0230</td>
</tr>
<tr>
<td>CAS No.:</td>
<td>56-75-7</td>
</tr>
<tr>
<td>INDEX No.:</td>
<td>000-000-00-0</td>
</tr>
<tr>
<td>REACH No.:</td>
<td>Not yet communicated down the supply chain.</td>
</tr>
<tr>
<td>Other means of identification:</td>
<td>Chloromycetin, Syntomycetin</td>
</tr>
</tbody>
</table>

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

Relevant identified uses: General chemical reagent

1.3 Details of the supplier of the safety data sheet

United Kingdom

VWR International Ltd.

<table>
<thead>
<tr>
<th>Street</th>
<th>Hunter Boulevard, Magna Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postal code/city</td>
<td>Lutterworth, LE17 4XN</td>
</tr>
<tr>
<td>Telephone</td>
<td>0800 22 33 44</td>
</tr>
<tr>
<td>Telefax:</td>
<td>01455 55 85 86</td>
</tr>
<tr>
<td>E-mail (competent person)</td>
<td><a href="mailto:SDS@vwr.com">SDS@vwr.com</a></td>
</tr>
</tbody>
</table>

Emergency phone number

Telephone  
+44 (0) 1270 502894 (CareChem24)
SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Hazard classes and hazard categories</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage, category 1</td>
<td>H318</td>
</tr>
<tr>
<td>Carcinogenicity, category 2</td>
<td>H351</td>
</tr>
<tr>
<td>Reproductive toxicity, category 2</td>
<td>H361</td>
</tr>
</tbody>
</table>

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Signal word: Danger

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer.</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child.</td>
</tr>
</tbody>
</table>

Precautionary statements

<table>
<thead>
<tr>
<th>Precautionary statements</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P201</td>
<td>Obtain special instructions before use.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P202</td>
<td>Do not handle until all safety precautions have been read and understood.</td>
</tr>
<tr>
<td>P305+P351+P338</td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td>P308+P310</td>
<td>IF exposed or concerned: Immediately call a POISON CENTER/doctor.</td>
</tr>
<tr>
<td>P405</td>
<td>Store locked up.</td>
</tr>
</tbody>
</table>

Other hazards
none
SECTION 3: Composition / information on ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Chloramphenicol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular formula</td>
<td>Cl₂CHCONH(CH₂OH)CH(OH)C₆H₄NO₂</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>323.13 g/mol</td>
</tr>
<tr>
<td>CAS No.</td>
<td>56-75-7</td>
</tr>
<tr>
<td>REACH registration No.</td>
<td>Not yet communicated down the supply chain.</td>
</tr>
<tr>
<td>INDEX No.</td>
<td>000-000-00-0</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 General information

If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

After inhalation

Call a POISON CENTRE/doctor. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

In case of ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink.

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

4.4 Self-protection of the first aider

First aider: Pay attention to self-protection!

4.5 Information to physician

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.
Extinguishing media which must not be used for safety reasons
no restriction

5.2 Special hazards arising from the substance or mixture
In case of fire may be liberated:
Carbon monoxide
Carbon dioxide (CO2)
Hydrogen chloride (HCl)
Nitrogen oxides (NOx)

5.3 Advice for firefighters
DO NOT fight fire when fire reaches explosives.
Special protective equipment for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information
Do not allow run-off from fire-fighting to enter drains or water courses.
Do not inhale explosion and combustion gases.
Use water spray jet to protect personnel and to cool endangered containers.
In case of fire: Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation.

6.2 Environmental precautions
Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up
Spilled product must never be returned to the original container for recycling. Clean contaminated articles and floor according to the environmental legislation. Collect in closed and suitable containers for disposal.

6.4 Additional information
Clear spills immediately.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid:
Inhalation
Avoid contact with eyes and skin.
Use extractor hood (laboratory).
If handled uncovered, arrangements with local exhaust ventilation have to be used.
If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.
Protect from moisture.

7.2 Conditions for safe storage, including any incompatibilities
Recommended storage temperature: 15-25°C
Storage class: 6.1D
Keep container tightly closed and in a well-ventilated place.
7.3 Specific end use(s)
no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

8.2.2 Personal protection equipment
Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Eye/face protection
Eye glasses with side protection DIN-/EN-Norms: DIN EN 166
Recommendation: VWR 111-0432

Skin protection
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Recommended glove articles DIN-/EN-Norms: EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well.

By short-term hand contact
Suitable material: NBR (Nitrile rubber)
Thickness of the glove material: 0,12 mm
Breakthrough time (maximum wearing time): > 480 min
Recommended glove articles: VWR 112-0998

By long-term hand contact
Suitable material: NBR (Nitrile rubber)
Thickness of the glove material: 0,38 mm
Breakthrough time (maximum wearing time): > 480 min
Recommended glove articles: VWR 112-3717 / 112-1381

Respiratory protection
Respiratory protection necessary at: aerosol or mist formation
Suitable respiratory protection apparatus: Filtering Half-face mask (DIN EN 149)
Recommendation: VWR 111-0451
Suitable material: P3
Recommendation: VWR 111-0244

Additional information
Wash hands before breaks and after work. Avoid contact with eyes and skin. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.
8.2.3 Environmental exposure controls
no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance
   Physical state: solid
   Colour: dark yellow
(b) Odour: no data available
(c) Odour threshold: no data available

Safety relevant basic data

(d) pH: 5-8 (H2O; 20 °C)
(e) Melting point/freezing point: 150 °C
(f) Initial boiling point and boiling range: 645 °C (1013 hPa)
(g) Flash point: no data available
(h) Evaporation rate: no data available
(i) Flammability (solid, gas): not applicable
(j) Flammability or explosive limits
   Lower explosion limit: no data available
   Upper explosion limit: no data available
(k) Vapour pressure: no data available
(l) Vapour density: no data available
(m) Relative density: 1.49 g/cm³ (20 °C)
(n) Solubility(ies)
   Water solubility (g/L): 2.5 g/l (25 °C)
   Soluble (g/L) in Ethanol: no data available
(o) Partition coefficient: n-octanol/water: 1.02 (20 °C)
(p) Auto-ignition temperature: no data available
(q) Decomposition temperature: no data available
(r) Viscosity
   Kinematic viscosity: no data available
   Dynamic viscosity: no data available
(s) Explosive properties: not applicable
(t) Oxidising properties: not applicable

9.2 Other information

Bulk density: no data available
Refraction index: 1.5403 (589 nm; 164 °C)
Dissociation constant: no data available
Surface tension: no data available
Henry's Law Constant: no data available
SECTION 10: Stability and reactivity

10.1 Reactivity
no data available

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions
no data available

10.4 Conditions to avoid
no data available

10.5 Incompatible materials
no data available

10.6 Hazardous decomposition products
no data available

10.7 Additional information
no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects
Acute oral toxicity:
LD50: > 2500 mg/kg - Rat - (CHP)

Acute dermal toxicity:
no data available

Acute inhalation toxicity:
no data available

Irritant and corrosive effects
Primary irritation to the skin:
not applicable

Irritation to eyes:
Causes serious eye damage.

Irritation to respiratory tract:
not applicable
Respiratory or skin sensitisation
In case of skin contact: not sensitising
After inhalation: not sensitising

STOT-single exposure
not applicable

STOT-repeated exposure
not applicable

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
Suspected of causing cancer.

Germ cell mutagenicity
No indications of human germ cell mutagenicity exist.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

Aspiration hazard
not applicable

Other adverse effects
no data available

Additional information
no data available

SECTION 12: Ecological information

12.1 Ecotoxicity

Fish toxicity:
no data available

Daphnia toxicity:


Algae toxicity:
no data available

Bacteria toxicity:
no data available

12.2 Persistence and degradability
no data available
12.3 Bioaccumulative potential
Partition coefficient: n-octanol/water: 1.02 (20 °C)

12.4 Mobility in soil:
no data available

12.5 Results of PBT/vPvB assessment
no data available

12.6 Other adverse effects
no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product
Dispose according to local legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: no data available

Appropriate disposal / Package
Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

Additional information
no data available

SECTION 14: Transport information

Land transport (ADR/RID)
No dangerous good in sense of this transport regulation.

Sea transport (IMDG)
No dangerous good in sense of this transport regulation.

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

Air transport (ICAO-TI / IATA-DGR)
No dangerous good in sense of this transport regulation.
SECTION 15: Regulatory information

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

   EU legislation

   National regulations
   no data available

   Water hazard class (WGK): strongly hazardous to water (WGK 3)

15.2 Chemical Safety Assessment

   For this substance a chemical safety assessment has not been carried out.
SECTION 16: Other information

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygiensts
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
AGS - Committee on Hazardous Substances (Ausschuss für Gefahrstoffe)
CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DFG - German Research Foundation (Deutsche Forschungsgemeinschaft)
Gestis - Information system on hazardous substances of the German Social Accident Insurance (Gefahrstoffinformationsystem der Deutschen Gesetzlichen Unfallversicherung)
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations
ICAO-TI - International Civil Aviation Organization-Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
OSHA - Occupational Safety & Health Administration
PBT - Persistent, Bioaccumulative and Toxic
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail
STV - Short Term Value
SVHC - Substances of Very High Concern
vPvB - very Persistent, very Bioaccumulative

Additional information

Indication of changes: Section 2 & 3

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.