

! SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Name of product INTERKOKASK concentrate

1.2. Relevant identified uses of the substance or mixture and uses advised againstRecommended intended purpose(s)
disinfectant**1.3. Details of the supplier of the safety data sheet****Manufacturer/distributor**Hysolv Ltd.
53 Lethbridge Road, GB- BA5 2FW Wells, Somerset
Phone 0778 357 1778 or 0786 780 7330
E-Mail info@hysolv.com
Internet www.hysolv.com**1.4. Emergency telephone number****Emergency advice**for healthcare professionals: www.toxbase.org
Members of the public should contact their general practitioner or telephone NHS 111(England), NHS 24 (Scotland) or NHS Direct (Wales).**! SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
| Acute Tox. 4 | H302 | Calculation method. |
| Skin Corr. 1B | H314 | Calculation method. |
| Skin Sens. 1 | H317 | Calculation method. |
| STOT SE 3 | H335 | Calculation method. |
| Aquatic Chronic 3 | H412 | Calculation method. |

Hazard Statements

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS05



GHS07

! Signal word

Danger

Hazard Statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.
P405 Store locked up.

Supplemental Hazard information (EU)

57.1% of the mixture consist of one or more components of unknown toxicity.

Contains 57.1% of components of acute aquatic hazard.

2.3. Other hazards**Results of PBT and vPvB assessment**

The substances contained in this product do not meet the PBT / vPvB criteria according to annex XIII of REACH.

SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Hazardous ingredients**

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|---------|-----------|--------------|------------|---|
| 59-50-7 | 200-431-6 | chlorocresol | 24,9 | Acute Tox. 4, H302 / Acute Tox. 4, H312 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / STOT SE, H335 / Aquatic Acute 1, H400 / Aquatic Acute 3, H412 / |

Hazardous ingredients (continued)

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|-----------|-----------|-----------------|------------|--|
| 7664-38-2 | 231-633-2 | phosphoric acid | 20 - 30 | Skin Corr. 1B, H314 / Met. Corr. 1, H290 / Acute Tox. 4, H302 / Eye Dam. 1, H318 |
| 79-09-4 | 201-176-3 | propionic acid | 20 - 40 | Skin Corr. 1B, H314 / Flam. Liq.3, H226 / Eye Dam./Irrit.1, H314 / STOT SE 3, H335 |

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.
Keep immobile and cover..
Take away from danger area and lay down affected person.

In case of inhalation

In case of difficulty in breathing: supply oxygen, seek medical advice.
Ensure of fresh air.

In case of skin contact

In case of contact with skin wash off with soap and water.
Seek medical treatment immediately.

In case of eye contact

Eye rinsing with water carefully while protecting unhurt eye.
Medical treatment by eye specialist.

In case of ingestion

Do not induce vomiting.
Call for a doctor immediately.
If swallowed give water to drink.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam
Dry powder
Carbon dioxide
Water spray jet

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply (isolated).
Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Ensure adequate ventilation.
Avoid contact with product.
Use personal protective equipment.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sawdust).
Rinse contaminated surfaces thoroughly, eventually with alkaline detergent.
Dispose of cleaning material according to section "Disposal considerations".

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Keep away from sources of ignition.
Avoid contact with skin and eyes.
Do not smoke when handling the product.

Hygiene measures

Avoid contact with skin, eyes and clothes.
At work do not eat, drink, smoke or take drugs.
Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in original container.

Advice on storage compatibility

Do not store together with food, beverages and animal feedstuffs.

Further information on storage conditions

Keep locked up, out of reach of children
Protect from frost.
Transport and store in upright position.

Storage group 8B

7.3. Specific end use(s)
 No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

| CAS No | Name | Code | [mg/m3] | [ppm] | Remark |
|-----------|-----------------|------------|---------|-------|--------|
| 7664-38-2 | phosphoric acid | 8 hours | 1 | | |
| | | Short-term | 2 | | |
| 79-09-4 | propionic acid | 8 hours | 31 | 10 | |
| | | Short-term | 62 | 20 | |

8.2. Exposure controls

Respiratory protection

Full mask (DIN EN 136), type of filter / device: combined filter A-B, brown/grey.

Hand protection

Chemical protective gloves made of butyl- or nitril rubber of category III EN 374. Please note the producer's indications on permeability and break through duration and pay attention to special conditions of the working site.

Eye protection

safety goggles with side protection
 Safety goggles

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
 liquid

Colour
 brownish

Odour
 product-specific

Odour threshold
 not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|---------------------------|------------|-------------|-----|------------|----------------------------------|
| pH value | ca. 1,6 | ca. 20 °C | 3 % | | Value refers to diluted product. |
| boiling range | 94 - 97 °C | | | | |
| melting point | < 0 °C | | | calculated | |
| Flash point | ca. 61 °C | | | EEC A9 | |
| Vapourisation rate | | | | | no data available |
| Flammable (solid) | | | | | product is not solid |

| | Value | Temperature | at | Method | Remark |
|--|---|-------------|----|----------------------------------|---|
| Flammability (gas) | > 500 °C | | | calculated | |
| Ignition temperature | not determined | | | | |
| Self ignition temperature | > 500 °C | | | EEC A.15 | |
| Lower explosion limit | | | | | The liquid / vapour is not explosible at usual temperatures. |
| Upper explosion limit | | | | | The liquid / vapour is not explosible at usual temperatures. |
| Vapour pressure | | | | calculated | < 1,016 x 10* 5 Pa bei 100°C |
| Relative density | 1,15 - 1,172 g/cm3 | 20 °C | | DIN 12791 | |
| Vapour density | | | | | not determined |
| Solubility in water | | | | | very good soluble |
| Solubility/other | | | | propionic acid, butanoic acid | |
| Partition coefficient n-octanol/water (log P O/W) | | | | | not determined as product is a liquid mixture |
| Decomposition temperature | | | | | The substance / mixture is not classified as self-reactive (tested on a similar formulation). |
| Viscosity dynamic | ca. 21 mPa*s | 20 °C | | Brookfield LVDV I+ | |
| Viscosity dynamic | ca. 10 mPa*s | 40 °C | | Brookfield LVDV I+ | |
| Oxidising properties | none | | | | |
| Explosive properties | not explosive according to UN Handbook "Manual of Tests and Criteria"; seventh revised edition, 2019, Section 2.2.1, 20.3.3.3 and Appendix 6. | | | | |

9.2. Other information

Surface tension: 32 mN/m

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritation/Sensitization**

| | Value/Validation | Species | Method | Remark |
|---------------------------|------------------|---------|--------|--------|
| LD50 acute oral | 200 - 2000 mg/kg | rat | | |
| Skin irritation | corrosive | | | |
| Skin sensitization | possible | | | |

Additional information

The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances contained in this product do not meet the PBT / vPvB criteria according to annex XIII of REACH.

12.6. Other adverse effects

General regulation

Classification was made by calculation according to RL 1999/45/EG.

According to the criteria of the EG-classification and labelling "hazardous" (93/21/EWG) the substance / product does not have to be labelled as "hazardous".

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

02 01 08*

07 06 99

Name of waste

agrochemical waste containing hazardous substances

wastes not otherwise specified

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Bring to a special waste burning according to official rules.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

Packaging may not be reused.

! SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|---|--|--|-----------------|
| 14.1. UN number | 1903 | 1903 | - |
| 14.2. UN proper shipping name | DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (propionic acid, chlorocresol) | DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (propionic acid, chlorocresol) | - |
| 14.3. Transport hazard class(es) | 8 | 8 | - |
| 14.4. Packing group | III | III | - |
| 14.5. Environmental hazards | Yes | Yes | - |

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 8
Tunnel restriction code E
Classification code C9

Marine transport IMDG

MARINE POLLUTANT

Transport/further information

EmS: F-A, S-B

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Authorizations**

Baua-No. 15423

The product is currently under evaluation for Union authorisation according to Regulation (EU) No. 528/2012.

Other regulations (EU)

Regulation (EU) No. 528/2012 concerning the making available on the market and use of biocidal products

National regulations

Water hazard class 2 Classification according to VwVwS, Annex 4

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product.

SECTION 16: Other information**Training advice**

Eventually users should be trained according to national / local regulations concerning handling, storage, transport and disposal of biocidal products / hazardous goods.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.0

H226 Flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.