

Kokzi Des

Revision date: 21.01.2019

Product code: 114

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

1.1. Product identifier

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

Use of the substance/mixture

Disinfectant

1.3. Details of the supplier of the safety data sheet

Company name: Peakbridge Global Ltd.
Street: Whittington Way, Chesterfield
Place: UK, S41 9AG
Telephone:

1.4. Emergency telephone number: 01246 264646

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Acute 1

Hazard Statements:

Flammable liquid and vapour.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

Very toxic to aquatic life.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol

propionic acid ... %

ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate

phosphoric acid; orthophosphoric acid ... %

Signal word: Danger

Pictograms:



Hazard statements

H226

Flammable liquid and vapour.

H314

Causes severe skin burns and eye damage.

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H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
59-50-7	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	25 - 50 %
	200-431-6	604-014-00-3
	Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H312 H302 H318 H317 H400	
79-09-4	propionic acid ... %	25 - 50 %
	201-176-3	607-089-00-0
	Skin Corr. 1B; H314	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	10 - 20 %
	200-661-7	603-117-00-0
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
687-47-8	ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate	10 - 20 %
	211-694-1	607-129-00-7
	Flam. Liq. 3, STOT SE 3, Eye Dam. 1; H226 H335 H318	
85536-14-7	benzenesulfonic	10 - 20 %
	287-494-3	
	Acute Tox. 4, Skin Corr. 1C, Aquatic Chronic 3; H302 H314 H412	
7664-38-2	phosphoric acid; orthophosphoric acid ... %	5 - 10 %
	231-633-2	015-011-00-6
	Skin Corr. 1B; H314	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

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.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk. Call a physician immediately.

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

After ingestion Gastric perforation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), Extinguishing powder, Water spray jet
Special protective actions for fire-fighters: Water spray jet, alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air.
Hydrogen chloride (HCl) Sulphur oxides Phosphorus oxides

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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6.4. Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.
 When diluting/dissolving, always have the water ready first, then slowly stir in the product.
 Handle and open container with care.
 Use only in well-ventilated areas.
 Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
 Vapours can form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

7.3. Specific end use(s)

Disinfectant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL
79-09-4	Propionic acid	10	31		TWA (8 h)	WEL
		15	46		STEL (15 min)	WEL

8.2. Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Ensure good ventilation. This can be achieved by local exhaust or general exhaust air. Suitable assessment methods for checking the effectiveness of the protective measures taken include metrological and

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non-metrological investigation methods as described in the Technical Rules for Hazardous Substances (TRGS) 402.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles.

category: DIN EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable gloves type: FKM (fluoro rubber) Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

In case of increased risk, additionally Boots, Apron

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Filtering device (full mask or mouthpiece) with filter:: ABEK

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid:
Colour:	colorless to slightly yellow
Odour:	stinging

pH-Value (at 20 °C):	2,5	Test method
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Changes in the physical state

Melting point:	- 90 - 40 °C
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Initial boiling point and boiling range:	86 - 130 °C
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Flash point:	30,5 °C
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Flammability

Solid:	not applicable
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Gas:	not applicable
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Ignition temperature:	DIN 51794
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Auto-ignition temperature

Solid:	not applicable
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Gas:	not applicable
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Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapour pressure: 21 hPa
(at 20 °C)

Density (at 20 °C): 1,074 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

Metal, base, Light metal

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

ATEmix calculated

ATE (oral) 1282,1 mg/kg

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
59-50-7	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
85536-14-7	benzenesulfonic				
	oral	ATE 500 mg/kg			

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Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Further information

The toxicological classification of the mixture is based on the results of the calculation method (conventional method) of the Preparations Directive 1999/45 / EC. According to the manufacturer's experience, dangers beyond the labeling are not to be expected.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic organisms.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7664-38-2	phosphoric acid; orthophosphoric acid ... %					
	Acute fish toxicity	LC50	138 mg/l	96 h	Gambusia affinis	

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater. Very toxic to aquatic life.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information



Land transport (ADR/RID)

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14.1. UN number: UN 2920
14.2. UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (propionic acid ... %; ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8+3


 Classification code: CF1
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 83
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 2920
14.2. UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (propionic acid ... %; ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8+3


 Classification code: CF1
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 2920
14.2. UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Propionic acid ... %; ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate; 4-chloro-3-methylphenol, 4-chloro-m-cresol, chlorocresol)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8+3


 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-E, S-C

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2920

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14.2. UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Propionic acid ... %; ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate)

14.3. Transport hazard class(es): 8

14.4. Packing group: II

Hazard label: 8+3



Limited quantity Passenger: 0.5 L

Passenger LQ: Y840

Excepted quantity: E2

IATA-packing instructions - Passenger: 851

IATA-max. quantity - Passenger: 1 L

IATA-packing instructions - Cargo: 855

IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: 4-chloro-3-methylphenol, 4-chloro-m-cresol, chlorocresol

14.6. Special precautions for user

Warning: Combustible liquid. strongly corrosive.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: phosphoric acid; orthophosphoric acid ... %

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - clearly water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

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LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Acute 1; H400	

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)