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

Name of product INTER AQUADES

1.2. Relevant identified uses of the substance or mixture and uses advised against**Recommended intended purpose(s)**

disinfectant for sanitation of drinking water systems

1.3. Details of the supplier of the safety data sheet**Manufacturer/distributor**InterHygiene GmbH
Neufelder Str. 30, D-27472 Cuxhaven
Phone 04721/73400
E-Mail info@interhygiene.de
Internet www.interhygiene.de**1.4. Emergency telephone number****Emergency advice**

Phone Giftnotruf München im Klinikum r.d.Isar 089/1924-0

! 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
Skin Corr. 1B	H314	Calculation method.
Aquatic Acute 1	H400	Calculation method.
Aquatic Chronic 2	H411	Calculation method.

Hazard StatementsH314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS05



GHS09

! Signal word

Danger

Hazard StatementsH314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

INTER AQUADES**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.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.

2.3. Other hazards**Information pertaining to special dangers for human and environment**

Causes severe skin burns and eye damage.

10% of components of unknown aquatic hazard.

Very toxic to aquatic life with long lasting effects.

! 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]
67-63-0	200-661-7	propan-2-ol	< 10	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
68391-01-5	269-919-4	alkyl(C12-18)dimethylbenzylammonium chloride	10	Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400 M=10 / Aquatic Chronic 1, H410 M=1

REACH

CAS No	Name	REACH registration number
67-63-0	propan-2-ol	01-2119457558-25

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

Remove contaminated soaked clothing immediately.

Keep immobile and cover..

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

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

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.
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.
Use personal protective clothing.
Avoid contact with product.

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).

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**

Avoid contact with skin and eyes.

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****biological limits (TRGS 903)**

CAS No	Name	Parameter	BGW	Examination material	Test date
67-63-0	propan-2-ol	Aceton	25 mg/l	B	b
67-63-0	propan-2-ol	Aceton	25 mg/l	U	b

8.2. Exposure controls**Respiratory protection**

not required

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
colourless

Odour
like vanilla

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	6 - 8	ca. 20 °C	1 %		Value refers to diluted product.
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	> 100 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	0,983 - 1,003 g/cm ³	ca. 20 °C			
Vapour density	not determined				
Solubility in water					very good soluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				

INTER AQUADES

	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity	not determined				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	fraction index: ca. 1,353 - 1,357				

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	> 2000 mg/kg	rat		
Skin irritation	corrosive			
Eye irritation	corrosive			

Additional information

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

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

No information available.

12.6. Other adverse effects

General regulation

The product has not been tested. Classification was made by calculation according to RL 1999/45/EG.

! 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

Packaging may not be reused.

Totally emptied packages can be given to the useful material compound.

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. (alkyl(C12-18) dimethylbenzylammonium chloride)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (alkyl(C12-18) dimethylbenzylammonium chloride)	-
14.3. Transport hazard class(es)	8	8	-

INTER AQUADES

	ADR/RID	IMDG	IATA-DGR
14.4. Packing group	III	III	-
14.5. Environmental hazards	No	No	-

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

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****National regulations****Water hazard class** 2 Classification according to VwVwS, Annex 4**15.2. Chemical Safety Assessment**

No information available.

SECTION 16: Other information**Further information**

Existing laws and regulations must be adhered to by the recipient of our product at his / her own responsibility.

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: 1.5

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.