

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

1.1. Product identifier

Name of product INTERCID (TAD CID)

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

Recommended intended purpose(s)
disinfectant

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
für Österreich: Vergiftungsinformationszentrale Wien
Tel.: +43 1 406 43 43
Portugal: Centro de Informacao Antivenenos (CIAV)
Tel.: 808 250 143

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
Flam. Liq. 3	H226	
Acute Tox. 2	H330	
Acute Tox. 3	H311	
Acute Tox. 4	H302	
Skin Corr. 1B	H314	
Resp. Sens. 1	H334	
Skin Sens. 1	H317	
Muta. 2	H341	
Carc. 1B	H350	
STOT SE 3	H335	
Aquatic Chronic 3	H412	

Hazard Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.

- H350 May cause cancer.
H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

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



GHS02



GHS05



GHS06



GHS08

Signal word

Danger

Hazard Statements

- H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P102 Keep out of reach of children.
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 or doctor / physician if you feel unwell.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: call a poison center or doctor / physician.
P405 Store locked up.
P501 Dispose of contents to a special waste plant.

2.3. Other hazards

No information available.

! 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]
67-56-1	200-659-6	methanol	0,5 - 0,7	Flam. Liq. 2, H225 / Acute Tox. 3, H331 / Acute Tox. 3, H311 / Acute Tox. 3, H301 / STOT SE 1, H370
67-63-0	200-661-7	propan-2-ol	< 20	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
50-00-0	200-001-8	formaldehyde	14	Carc. 1B, H350 / Muta. 2, H341 / Acute Tox. 3, H301 / Acute Tox 3, H311 / Acute Tox 3, H331 / Skin Corr. 1B, H314 / Skin Sens., H317
111-30-8	203-856-5	Glutaraldehyd_	10	Acute Tox. 3, H301 / Acute Tox. 3, H331 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Resp. Sens. 1, H334 / Aquatic Acute 1, H400 / Aquatic Chronic 3, H412

REACH

CAS No	Name	REACH registration number
67-63-0	propan-2-ol	01-2119457558-25
50-00-0	formaldehyde	01-2119488953-20

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 (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.
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

Keep away from sources of ignition.
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.

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 3

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/m ³]	[ppm]	Remark
67-56-1	methanol	8 hours	260	200	skin

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
67-56-1	methanol	Methanol	30 mg/l	U	c, b
67-63-0	propan-2-ol	Aceton	25 mg/l	B	b
67-63-0	propan-2-ol	Aceton	25 mg/l	U	b

Additional advice

MAK-value (2009) Formaldehyd: 0,3 ml/m³, 0,37 mg/m³, I(2), Sh, 4, C, 5

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.

Suitable: gloves made of butyl rubber, breakthrough time >480 min., thickness: 0,3 mm, protective index: class 6.

Suitable: gloves made of nitril rubber, breakthrough time > 480 min., thickness: 0,38 mm, protective index: class 6.

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
light yellow

Odour
product-specific

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	ca. 5,5	20 °C			
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point	42 °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	ca. 1,05 g/cm ³				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity dynamic	not determined				

Oxidising properties

No information available.

Explosive properties

No information available.

9.2. Other information

No information available.

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

Substances to avoid

Heavy reactions with strong oxidants, acids, bases.

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			
Skin irritation	corrosive			
Sensitization respiratory system	possible by breathing			

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

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	91 % (14 d) Value refers to formaldehyde (based on data from similar materials).		OECD 301 C	easily biodegradable

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

Additional ecological information

	Value	Method	Remark
COD	980000 mgO ₂ /l		
BOD	540000 mgO ₂ /l		

General regulation

Biodegradability Methanol: 95%, time 20 d, easily biodegradable.

Biodegradability glutaraldehyde: method: OECD 301A, 90 - 100%, time 28 d, easily biodegradable.

Biodegradability Propan-2-ol: method OECD 301E, 95%, time 21 d, easily biodegradable.

! 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 packaging may be taken for recycling. The taking back of packaging may be done by the Landbell AG.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	2924	2924	-

	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol, Glutaraldehyd, Formaldehyd)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol, Glutaraldehyd, Formaldehyd)	-
14.3. Transport hazard class(es)	3 (8)	3 (8)	-
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) 3+8

tunnel restriction code D/E

Classification code FC

Transport/further information

EmS: F-E, S-C

SECTION 15: Regulatory information

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

National regulations

Water hazard class 3 Classification according to VwVwS, Annex 4

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

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: 1.7

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.

- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H370 Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.