

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

1.1 Product identifier

Trade name Acticid

1.2 Relevant identified uses and uses advised against

Relevant identified uses Disinfectant.
Uses advised against Consumption purposes.

1.3 Details of the manufacturer or supplier

Supplier VEIP bv
Address Molenvliet 1
3960 BB Wijk bij Duurstede
The Netherlands
Telephone number +31 343 57 22 44
Fax +31 343 57 71 04
E-mail address info@veipdisinfectants.com

1.4 Emergency telephone number

Emergency	+31 343 57 22 44	
Medical information		
Netherlands	+31 30 274 88 88	National Poisons Information Centre, only for healthcare professionals
United Kingdom	844 892 0111	National Poisons Information Service

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008

Hazard classes	Classification
Flammable liquid	Flam. Liq. 2, H225
Serious eye damage/eye irritation	Eye Irrit. 2, H319

For full text of Hazard statements: see subsection 2.2.

2.2 Label elements

Hazard pictograms



Signal word DANGER

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

The product does not meet the criteria for PBT or vPvB and is not included in the ECHA endocrine disruptor assessment list.

SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable.

3.2 Mixtures

Ingredients	Identity	Classification	Percentage
<i>Ethanol</i>			76 v/v
CAS no.	64-17-5	Flam. Liq. 2, H225	
EC no.	200-578-6	Eye Irrit. 2, H319	
Registration no.	01-2119457610-43		
<i>Isopropyl alcohol</i>			4 v/v
CAS no.	67-63-0	Flam. Liq. 2, H225	
EC no.	200-661-7	Eye Irrit. 2, H319	
Registration no.	01-2119457558-25	STOT SE 3, H336	

For the full text of the hazard statements mentioned in sections 2 and 3 see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Fresh air, rest. Get medical advice / attention if you feel unwell.

Skin contact

Rinse skin with water or shower.

Eye contact

First rinse with plenty of water (remove lenses if possible). If eye irritation persists: get medical advice / attention.

Ingestion

Rinse mouth, drink plenty of water and get medical advice / attention.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects from exposure

On eye contact with the fluid: red eyes.

On swallowing: nausea and disruption of the inhibitory functions of the central nervous system.

Delayed symptoms and effects from exposure

On repeated and/or long-term exposure: dry skin.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Powder, alcohol-resistant foam, water spray, carbon dioxide

Unsuitable extinguishing media

Alcohol unstable foam.

5.2 Special hazards arising from the substance or mixture

Forming of explosive vapour-air mixtures.

In case of fire the product emits toxic fumes (carbon monoxide and/or carbon dioxide).

5.3 Advice for fire-fighters

Protective actions

In case of fire: keep containers cool by spraying with water.

Special protective equipment

Approaching the fire or fire in a room: self-contained respiratory protective.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Gloves, boots, protective clothing. Respiratory protection.

Remove sources of ignition

6.2 Environmental precautions

Keep away from drains, surface water or soil.

6.3 Methods and material for containment and cleaning up

Absorb small spillages of product with an inert material. Allow to evaporate in a safe place.

Large spillages should be dammed off and removed with an explosion-proof vacuum cleaner; recycle where possible. Wash away any residue with water.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use in well-ventilated areas only.

Keep away from sources of ignition - No smoking.

Use explosion-proof electrical equipment and lighting.

7.2 Conditions for safe storage, including any incompatibilities

Fire and explosion prevention

Keep packaging in a well-ventilated place.

Keep packaging tightly closed.

Keep in a fire-resistant place separated from oxidants.

Protection against ambient influences

Protect against contact with hot surfaces (steam pipelines) and direct sunlight.

Suitable materials for packaging: approved plastic / glass.

7.3 Specific end use(s)

Not for consumption purposes.

SECTION 8: Exposure controls / personal protection

8.1 Controloparameters

	Limit values				Remark
	8 hours (mean value)		Short term (15 min)		
	mg/m ³	ppm	mg/m ³	ppm	
Ethanol					

Acticid



Safety Data Sheet

According to Regulation (EC) no. 1907/2006
as amended by
Regulation (EU) 2020/878

Netherlands	260		1 900		skin
United Kingdom	1 920	1 000			
Isopropyl alcohol					
Netherlands	500		1 000		
United Kingdom	999	400	1 250	500	

8.2 Exposure controls

8.2.1 Technical measures

Ventilation and local extraction.

8.2.2 Individual protective measures

Eye protection

Safety goggles (EN 166).

Skin protection

– Hands

Gloves nitril rubber 0.7 mm

Breakthrough time > 8 hours (EN 374)

Gloves inear low-density polyethylene (LLDPE) 0.75 mm

Breakthrough time > 8 hours (EN 374)

– Other measures

Protective clothing (EN 340 / EN 14605)

Respiratory protection

Respirator with a filter for organic vapour (filter type A).

Thermal hazards

Not applicable.

8.2.3 Environmental exposure controls

Remove contaminated air from the local extractor and drain waste water in accordance with local environmental regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	Fluid
b) Colour	Colourless
c) Odour / Odour threshold (mg/m ³)	Odour of alcohol / 178
d) Melting point / freezing point (°C)	< - 20
e) Boiling point or initial boiling point and boiling range (°C)	79
f) Flammability	Highly flammable
g) Lower and upper explosion limit (vol%)	2.5 – 13.5 (ethanol)
h) Flash point (°C)	19 (closed cup)
i) Auto-ignition temperature (°C)	363 (ethanol)
j) Decomposition temperature (°C)	No data available
k) pH	≈ 7
l) Kinematic viscosity at 20 °C (mm ² /s)	No data available
m) Solubility in water at 20 °C (g/L)	Miscible with water
n) Partition coefficient n-octanol/water (log value)	- 0.3 (ethanol)
o) Vapour pressure at 25 °C (hPa)	57 (ethanol)
p) Density (g/cm ³) and/or Relative density (water = 1)	0.86
q) Relative vapour density (air = 1)	1.59 (ethanol)
r) Particle characteristics (particle size)	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes Flammable liquid

9.2.2 Other safety characteristics

Minimum ignition energy (mJ) 1.15

Conductivity (pS/m)	4,9 * 10 ⁵
Heat of combustion (kJ/kg)	30 818
Miscibility	Limited miscibility with organic solvents not soluble in water

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction if instructions for handling and storage are observed.

10.2 Chemical stability

The product is stable when stored at normal ambient temperature.

10.3 Possibility of hazardous reactions

Reacts violently with oxidants and strong acids.

10.4 Conditions to avoid

Storage temperatures >40 °C. Sources of ignition (open flame, warm surfaces and sparks).

10.5 Incompatible materials

Strong oxidising and acids.

10.6 Hazardous decomposition products

Does not decompose if used and stored as directed.

SECTION 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Ethanol

Acute toxicity

– Oral	LD50 (rat)	10 470 mg/kg
– Dermal	LD50 (rabbit)	> 15 800 mg/kg
– Inhalation	LC50 (rat, 4 hours)	51 mg/L

Eye damage /irritation

Irritating to eyes.

Isopropyl alcohol

Acute toxicity

– Oral	LD50 (rat)	4 396 mg/kg
– Dermal	LD50 (rabbit)	12 870 mg/kg
– Inhalation	LC50 (rat, 4 hours)	72.6 mg/L

Eye damage /irritation

Irritating to eyes.

Specific target organ toxicity – single exposure

May cause drowsiness or dizziness.

11.1.1 Information on likely routes of exposure

The substance can be absorbed into the body by inhalation of the vapours, through the skin upon contact with the liquid and after swallowing the liquid.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

No endocrine disrupting properties identified.

11.2.2 Other information

Not applicable.

SECTION 12: Ecological information

12.1 Toxiciteit

Ethanol

– Fish	LC50 fish, 96 hours	11 200 mg/l
– Crustaceans	LC50 Daphnia, 48 hours	7 550 - 13 299 mg/L
– Algae	IC50 algae, 72 hours	275 mg/L

Isopropyl alcohol

– Fish	LC50 fish, 96 hours	1 400 mg/l
– Crustaceans	LC50 Daphnia, 48 hours	5 012 mg/l
– Algae	IC50 algae, 72 hours	> 1 000 mg/L

12.2 Persistence and degradability

The product is easily biodegradable.

BOD₅: 1.32 gO₂/g; COD: 2.04 gO₂/g; BOD₅ : COD > 0.5 (ethanol)

12.3 Bioaccumulation potential

Bioconcentration factor (BCF): 3 (ethanol)

Log P octanol/water: - 0.3 (ethanol)

No significant potential for bioaccumulation (BCF < 500 and log P octanol/water < 4).

12.4 Mobility in soil

The product is highly mobile in soil.

Koc-coefficient: 1 (ethanol)

12.5 Results of PBT and vPvB assessment

The product contains no substances to be considered as PBT or vPvB.

12.6 Endocrine disrupting properties

Adverse environmental effects of endocrine disruptors are not relevant (see subsection 2.3)

12.7 Other adverse effects

Low hazard to water.

German hazard codes for water (WGK): 1

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal

Dispose of to a registered incineration plant for solids, or as hazardous waste in accordance with local regulations.

Do not dispose of the product in residual household waste.

Prevent the waste product reaching sewers.

Packaging disposal

Dispose of packagings with remainder as hazardous waste.

Cleaned packagings may be reused.

Waste treatment-relevant information

European list of waste (EURAL): 07 01 04.

SECTION 14: Transport information

14.1 UN number or ID number	1170
14.2 Proper shipping name	ETHANOL, SOLUTION
14.3 Transport hazard class(es)	3

14.4	Packing group	II
14.5	Environmental hazards	
	Marine pollutant	No
14.6	Special precautions for user	
	Label(s)	3
	Tunnel restriction code	(D/E)
	Hazard identification number	33
	Transport category	2
	Limited quantity (LQ)	1 L
	Exempted quantity	E2
14.7	Maritime transport in bulk according to IMO instruments	
		Not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**
The applicable EU-/national regulations have to be observed.
- 15.2 Chemical safety assessment**
A Chemical Safety Assessment has been carried out for ethanol.

SECTION 16: Other information

16.1 Information on revision

Previous version	12.1
Reason for changes	Adaptations to Regulation (EU) 2020/878.

16.2 Abbreviations and acronyms

ADN	Transport of dangerous goods by inland waterways
ADR	Transport of dangerous goods by road
CAS	Chemical Abstracts Service (Division of the American Chemical Society)
CLP	Classification, Labelling and Packaging
EC50	Effect Concentration, 50 percent (concentration at which 50 per cent of animals show a particular effect)
EC	European Community
IC50	Inhibitory Concentration, 50 percent (concentration at which 50 per cent of algae show growth inhibition)
IATA/ICAO	Transport of dangerous goods by air
IMO/IMDG	Transport of dangerous goods by sea
LC50	Lethal Concentration, 50 percent (concentration at which 50 per cent of animals die)
LD50	Lethal Dose, 50 percent (dose at which 50 per cent of animals die)
ppm	Parts per million
RID	Transport of dangerous goods by rail
TWA	Time Weighted Average
vPvB	very Persistent and very Bioaccumulative

16.3 Literature references and sources for data

Database CTGB and safety data sheets ethanol and isopropyl alcohol.

16.4 Full text of Hazard statements which are not written out in full under Sections 2 to 15

H336	May cause drowsiness or dizziness.
H319	Causes serious eye irritation.

16.5 Training recommendations

Ensure that there is proper information, instruction and training available for users.

This data sheet has been compiled by KWA. Despite the careful attention paid to the setting up of the text, KWA cannot be held responsible for any error appearing in the text and resulting in whatever damage it may cause.

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