

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

#### 1.1 Product identifier

Trade name Actisept Plus

#### 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@veip.nl

#### 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

Flammable liquid  
Eye irritation  
Specific target organ toxicity – single exposure

##### Classification

Flam. Liq. 2, H225  
Eye Irrit. 2, H319  
STOT SE 3, H336

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.  
H336 May cause drowsiness or dizziness.

##### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapours.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.

## SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable.

### 3.2 Mixtures

Ingredients	Identity	Classification	Percentage
<b>Isopropyl alcohol</b>			70 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	
<b>Glycerol</b>			< 1
CAS no.	56-81-5	Not classified	
EC no.	200-289-5		
Registration no.	01-2119471987-18		

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.

Inhalation of vapors may cause drowsiness and dizziness.

#### 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)

Please contact the supplier.

### SECTION 8: Exposure controls / personal protection

#### 8.1 Controleparameters

Isopropyl alcohol	Limit values				Remark
	8 hours (mean value)		Short term (15 min)		
	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
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

##### Appearance

###### – form

Liquid

###### – colour

Colourless

##### Odour

Odour of alcohol

##### Odour threshold (mg/ m<sup>3</sup>)

8 - 1499

##### pH (5% solution)

≈ 7

##### Melting point / freezing point (°C)

– 29

##### Boiling point (°C) at 1013 hPa

82

##### Flash point (°C)

18 (closed cup)

##### Explosive limits, g/m<sup>3</sup> in lucht

2.0 – 13.4 (isppropyl alcohol)

##### Vapour pressure at 20 °C (hPa)

44 (isppropyl alcohol)

##### Relative density (water=1)

0,88

##### Solubility in water at 20 °C (g/l)

Miscible

##### Explosive properties

No explosive properties.

##### Oxidising properties

No oxidising properties.

#### 9.2 Other safety information

##### Miscibility

Miscible with acetone, ethanol and oils.

##### Self-heating properties

Not liable for selfheating.

### 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. Attacks some plastics, rubber and coatings.

#### 10.6 Hazardous decomposition products

Does not decompose if used and stored as directed.

### SECTION 11 Toxicological information

#### 11.1 Information on toxicological effects

##### *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 (rabbit eye)

**Specific target organ toxicity – single exposure** May cause drowsiness or dizziness.

#### 11.2 Likely routes of exposure

The substance can be absorbed into the body by inhalation of the vapours and after swallowing the liquid.

#### 11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Repeated exposure may cause skin dryness or cracking.

### SECTION 12: Ecological information

#### 12.1 Toxiciteit

##### *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.

BOD<sub>5</sub>: 1.32 gO<sub>2</sub>/g; COD: 2.04 gO<sub>2</sub>/g; BOD<sub>5</sub> : COD > 0.5 (ethanol)

#### 12.3 Bioaccumulation potential

Bioconcentration factor (BCF): 3)

Log P octanol/water: 0.1

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: 3.5

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Slightly hazardous 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	1219
14.2	Proper shipping name	ISOPROPYL ALCOHOL, SOLUTION
14.3	Transport hazard class(es)	3
14.4	Packing group	II
14.5	Environmental hazards	
	Marine pollutant	No
	Environmentally hazardous substance mark	No
14.6	Additional safety information	
	Hazard label(s)	3
	Tunnel category	(D/E)
	Hazard identification number	33
	Transport category	2
	Limited quantity (LQ)	1 L
	Exempted quantity	E2
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

The applicable EU-/national regulations have to be observed.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for isopropyl alcohol.

### SECTION 16: Other information

#### 16.1 Information on revision

Previous version	7
Reason for changes	Adaptation to the provisions of Regulation (EU) 2015/830.

#### 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)
PBT	Persistent, Bioaccumulative and Toxic
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 sheet isopropyl alcohol.

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

None.

#### 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.

KWA, Spijksedijk 18c, 4207 GN Gorinchem, The Netherlands. Phone +31 183 649 556