

iClean Dog Wash



SECTION 1: Identification of the substance/ mixture

1.1 Product identifier

iClean Dog Wash Disinfectant

1.2 Trade name

Acticid

1.3 Relevant identified uses and uses advised against

Relevant identified uses: Disinfectant.

Uses advised against: Consumption purposes.

1.4 Description

Professional Disinfectant is based on 76% methylated ethanol. It can be used for disinfection of small surfaces in the food-industry, healthcare, animal-care and veterinary business. The professional Disinfectant is effective against bacteria, viruses, molds and yeast. It does not leave behind residues.

Any damages to the iClean Dog Wash machine as a result of the use of other than genuine iClean Dog Wash Products WILL VOID THE WARRANTY.

1.5 Relevant identified uses of the substance or mixture and uses advised against

Concentration in use/ mixing advice: 5-1

(Dosing pump speed Dog Wash: 15%)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 Hazard classes

Flammable liquid

Classification: Flam. Liq. 2, H225

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 vapor.

Precautionary statements

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.

SECTION 3: Composition/ information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Ingredients	Identity	Classification	Percentage
<i>Ethanol</i>			76v/v
CAS no.	64-17-5	Flam. Liq. 2, H225	
EC no.	200-578-6		
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 vapor-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 Control parameters

	Limit values				Remark
	8 hours (mean value)		Short term (15 min)		
	mg/m ³	ppm	mg/m ³	ppm	
Ethanol					
Netherlands	260		1900		Skin
United Kingdom	1920	1000			
Isopropyl alcohol					
Netherlands	500		1000		
United Kingdom	999	400	1250	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 vapor (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
- Color	Colorless
Odor	Odor of alcohol
Odor threshold (mg/m ³)	178 (ethanol)
pH (5% solution)	= 7
Melting point / freezing point (°C)	< - 20
Boiling point (°C) at 1013 hPa	79
Flash point (°C)	19 (dosd cup)
Explosive limits, g/m ³ in air	2.5 - 13.5 (ethanol)
Vapor pressure at 20 °C (hPa)	57 (ethanol)
Relative density (water=1)	0,86
Solubility in water at 20°C (g/l)	Miscible
Explosive properties	No explosive properties.
Oxidizing properties	No oxidizing properties.

9.2

Other safety information Miscibility Poorly miscible with water-insoluble organic solvents.

Self-heating properties Not liable for self-heating.

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 oxidizing and acids.

10.6 Hazardous decomposition products

Does not decompose if used and stored as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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 (rabbit eye)	

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 vapors, through the skin upon contact with the liquid 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

12.2 Persistence and degradability

12.1 Toxicity

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

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 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 packaging's with remainder as hazardous waste.

Cleaned packaging's may be reused.

Waste treatment-relevant Information

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

SECTION 14: Transport information

14.1	UN 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	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 ethanol.

SECTION 16: Other information

16.1 Information on revision

Previous version 11

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, Labeling 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 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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