

**SAFETY DATA SHEET**  
**According to Regulation (EC) No 1907/2006**

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Trade name:	EVO Instant Hand Sanitiser 5000ml/500ml			
Product code:	B-HG-040004	Date of compilation:	16/09/2021	Version: 001/21


<b>SECTION 1: Identification of the substance/mixture and of the company/undertaking</b>	
<b>1.1. Product identifier</b>	
Trade name:	EVO Instant Hand Sanitiser 5000ml/500ml
Chemical name:	-
Catalogue number:	-
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
Uses:	Hand sanitizing (PT1 Human hygiene biocidal product)
Uses advised against:	Any other than specified
Reason why uses advised against:	-
<b>1.3. Details of the supplier of the safety data sheet</b>	
Supplier:	ZIDAC LABORATORIES
Address:	Unit 5, Merlin Park Airport Service Road, Portsmouth, PO3 5FU
Telephone number:	+44 (0)7387018110
Telefax:	
e-mail of competent person:	tarina.wallis@zidac.co.uk
National contact:	
<b>1.4. Emergency telephone number</b>	
National Protection and Rescue Directorate:	112 (Europe)
Medical information:	
Other information:	

<b>SECTION 2. Hazards identification</b>	
<b>2.1. Classification of the substance or mixture</b>	
<b>2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)</b>	
Hazard class and category code:	Hazard statement*:
Eye Irrit. 2	H319
Flam. Liq. 2	H225
<b>2.1.2. Additional information</b>	
* For full text of Hazard- and EU Hazard-statements: see SECTION 16	
<b>2.2. Label elements</b>	
Product identification:	EVO Instant Hand Sanitiser 5000ml/500ml
Identification number:	-
Authorisation number:	-

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Hazard pictograms:	
Signal word:	Danger
Hazard statement:	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statement:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P270 Do not eat, drink or smoke when using this product. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: get medical advice/attention. P404 Store in closed container. P501 Dispose of content/container in accordance with national regulations.
Supplemental hazard information (EU):	BPR001 Use biocides safely. Always read the label and product information before use. EUH208 Contains fragrance. May produce an allergic reaction.
2.3. Other hazards	
	None known

**SECTION 3. Composition/information on ingredients**

CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)
64-17-5 / 200-578-6 / -	-	60-90	Ethanol	Eye irritation, Category 2 Flammable liq, Category 3 H225, H319

**SECTION 4. First aid measures**

4.1. Description of first aid measures
General notes:

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	Following inhalation:	Not expected. Can cause cough in sensitive persons, irritation of the upper respiratory tract, by overuse drowsiness, headache and dizziness. Move affected person to fresh.
	Following skin contact:	Not expected. Avoid contact with sore or broken skin. In sensitive persons can cause drying out, redness. Remove contaminated clothing and rinse with plenty of water.
	Following eye contact:	Irritation. Avoid contact with eyes. If contact occurs, remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
	Following ingestion:	DO NOT induce vomiting. Get medical attention immediately.
	Self-protection of the first aider	
<b>4.2.</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
	Following inhalation:	No specific symptoms known.
	Following skin contact:	No specific symptoms known.
	Following eye contact:	May cause severe eye irritation.
	Following ingestion:	May cause nausea, headache, dizziness and intoxication.
<b>4.3.</b>	<b>Indication of any immediate medical attention and special treatment needed</b>	
	No specific recommendation.	

<b>SECTION 5. Firefighting measures</b>		
<b>5.1.</b>	<b>Extinguishing media</b>	
	Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment (foam, carbon dioxide or dry powder).
	Unsuitable extinguishing media:	High volume water jet.
<b>5.2.</b>	<b>Special hazards arising from the substance or mixture</b>	
	Hazardous combustion products:	Carbon oxides
<b>5.3.</b>	<b>Advice for firefighters</b>	
	Use personal protective equipment and fight fire from safe distance.	
<b>5.4.</b>	<b>Additional information</b>	
	Use water spray to cool unopened packaging. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.	

<b>SECTION 6. Accidental release measures</b>		
<b>6.1.</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
<b>6.1.1.</b>	For non-emergency personnel	

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	Protective equipment:	Remove all sources of ignition. Ensure clean –up is conducted by trained personnel only. Refer to protective listed in sections 7 and 8.
	Accident prevention methods:	
	Emergency procedures:	Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
6.1.2.	For emergency responders:	
	Same as above	
6.2.	Environmental precautions:	
	Do not allow contact with soil, surface or ground water.	
6.3.	Methods and material for containment and cleaning up	
6.3.1.	Bunding, covering of drains; capping procedures:	Flush away traces with water. For large spills, dike spilled material or otherwise contains material to ensure runoff does not reach a waterway.
6.3.2.	Cleaning up:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Flush away traces with water. For large spills, dike spilled material or otherwise contains material to ensure runoff does not reach a waterway.
6.3.3.	Other information:	
6.4.	Reference to other sections	
	See section 7 and 8.	

<b>SECTION 7. Handling and storage</b>		
7.1.	Precautions for safe handling	
7.1.1.	Protective measures	
	Measures to prevent fire:	Keep away from heat, sparks and open flame. Avoid contact with eyes.
	Measures to prevent aerosol and dust generation:	Keep in a cool, well ventilated place. Keep away from heat and source of ignition.
	Measures to protect the environment:	Keep container tightly closed.
	Other measures:	
7.1.2.	Advice on general occupational hygiene:	
	Do not smoke in work area.	
7.2.	Conditions for safe storage, including any incompatibilities	

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Technical measures and storage conditions:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.
Packaging materials:	Original packaging. Keep container tightly closed.
Requirements for storage rooms and vessels:	Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge.
Advices for storage equipment:	
Further information on storage conditions:	
<b>7.3. Specific end use(s)</b>	
Recommendations:	
Industrial sector specific solutions:	

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values
		ppm	mg/m <sup>3</sup>	
ethanol	64-17-5	1000	1920	-

Substance: -

EC No:	-	CAS No:	-
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**DNEL**

**Industrial**

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	No data	No data	No data	No data
Inhalation	1900 mg/m <sup>3</sup>	No data	No data	950 mg/m <sup>3</sup>
Dermal	No data	No data	No data	343mg/kg bw/d

Critical physical parameters: solubility, flammability, corrosivity:

**Consumer**

Route of exposure:	Acute effect local	Acute effect systemic	Chronic effect local	Chronic effect systemic
Oral	No data	No data	No data	No data
Inhalation	No data	No data	No data	No data
Dermal	No data	No data	No data	No data

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<b>PNEC</b>	
Environmental protection target	PNEC
Fresh water	No data
Freshwater sediments	No data
Marine water	No data
Marine sediments	No data
Food chain	No data
Microorganisms in sewage treatment	No data
Soil (agricultural)	No data
Air	No data

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

Substance/mixture related measures to prevent exposure during identified uses:	Do not breathe vapour. Ensure good ventilation. Follow the instructions for use.
Structural measures to prevent exposure:	Ensure well ventilation of the workspace.
Organisational measures to prevent exposure:	Ensure good workplace ventilation and the necessary protective equipment. Do not eat, drink, and smoke in the workplace.
Technical measures to prevent exposure:	Effective ventilation.

**8.2.2. Personal protection equipment:**

8.2.2.1. Eye and face protection:	The personal protective equipment must be in accordance with EN standards. Where appropriate, face-wearing safe glasses (EN 166)
8.2.2.2. Skin protection:	
Hand protection:	Where appropriate latex or PVC gloves (EN 374)
Other skin protection:	Cotton clothing (EN ISO 13688) and suitable indoor footwear (ISO 10335).
8.2.2.3. Respiratory protection:	In normal conditions not needed.
8.2.2.4. Thermal hazards:	

**8.2.3. Environmental exposure controls**

Substance/mixture related measures to prevent exposure:	Prescribed storage and use of preparations. Prevent the entry of the concentrated product into the sewage system and any discharge into surface or groundwater without prior treatment.
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Structural measures to prevent exposure:	Prescribed storage and use of preparations.
Organisational measures to prevent exposure:	Ensure good ventilation of the work area and the necessary protective equipment. Do not eat, drink, and smoke in the workplace.
Technical measures to prevent exposure:	Prescribed storage and use of preparations.

**SECTION 9. Physical and chemical properties**

9.1. Information on basic physical and chemical properties			
		Value	Method
Physical state:		Clear gel	
Colour:		colourless	
Odour:		Alcoholic	
Odour threshold;		No data	
pH:		7.50-8.50	
Melting point / freezing point;		No data	
Initial boiling point and boiling range:		No data	
Flash point:		No data	
Evaporation rate:		No data	
Flammability (solid, gas):		Flammable	
Upper/lower flammability or explosive limits:		Not explosive	
Vapour pressure:		No data	
Vapour density:		No data	
Relative density		0.865 – 0.883 @20°C	
Bulk density:		No data	
Solubility(ies):		No data	
Partition coefficient: n-octanol/water (log Kow):		No data	
Auto-ignition temperature:		Not auto-igniting	
Decomposition temperature:		No data	
Viscosity:		4.000 – 7.000 mPas (#4@20rpm)	
Explosive properties:		None	
Oxidising properties:		None	

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9.2.	Other information
	None

**SECTION 10.: Stability and reactivity**

10.1.	Reactivity:	There are known reactivity hazards associated with this product.
10.2.	Chemical stability:	Stable under normal conditions.
10.3.	Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
10.4.	Conditions to avoid:	Heat, spark, open flame.
10.5.	Incompatible materials:	None known.
10.6.	Hazardous decomposition products:	Carbon oxides.

**SECTION 11. Toxicological information**

11.1. Information on toxicological effects

Acute toxicity:

Route of exposure:	Method	Species	Effective Dose LD <sub>50</sub> /LC <sub>50</sub> or ATE Mixture	Exposure time	Results
Oral:	No data	-	-	-	-
Dermal:	No data	-	-	-	-
Inhalation:	No data	-	-	-	-

Specific target organ toxicity – single exposure (STOT SE):

	Specific effects	Target organ	Note
Oral:	No data	-	-
Dermal:	No data	-	-
Inhalation:	No data	-	-

Aspiration hazard: No data

Irritation and corrosion:

	Exposure time	Species	Evaluation	Method	Note
Skin corrosion/irritation	No data	-	-	-	-
Serious eye damage/irritation	No data	-	-	-	Irritant

Sensitization



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Skin sensitization:	No data, possible in persons with sensitive skin.
Respiratory sensitization:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics
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Oral exposure:	No data available.
Dermal exposure:	No data available.
Inhalation exposure:	No data available.
Eye exposure:	No data available.

Repeated dose toxicity (subacute, subchronic, chronic)
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	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No data	-	-	-	-	-
Subacute dermal	No data	-	-	-	-	-
Subacute inhalation	No data	-	-	-	-	-
Subchronic oral	No data	-	-	-	-	-
Subchronic dermal	No data	-	-	-	-	-
Subchronic inhalation	No data	-	-	-	-	-
Chronic oral	No data	-	-	-	-	-
Chronic dermal	No data	-	-	-	-	-
Chronic inhalation	No data	-	-	-	-	-

Specific target organ toxicity – repeated exposure (STOT RE):
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	Specific effects	Target organ	Note
Subacute oral	No data	-	-
Subacute dermal	No data	-	-
Subacute inhalation	No data	-	-
Subchronic oral	No data	-	-
Subchronic dermal	No data	-	-
Subchronic inhalation	No data	-	-
Chronic oral	No data	-	-
Chronic dermal	No data	-	-
Chronic inhalation	No data	-	-

CMR effects (carcinogenicity; mutagenicity; reproductive toxicity)
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Carcinogenicity:	No data
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Mutagenicity <i>in-vitro</i> :	No data
Genotoxicity:	No data
Mutagenicity <i>in-vivo</i> :	No data
Germ cell mutagenicity :	No data
Reproductive toxicity:	No data
Summary of evaluation of the CMR properties; :	No data
<b>11.2. Practical experiences:</b>	
Classification observations:	No data
Other observations:	No data
<b>11.3. General notes:</b>	
No data	

**SECTION 12. Ecological information**

<b>12.1. Toxicity</b>						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC <sub>50</sub>	96 hours	No data	-	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No data	-	-	-
Algae/aquatic plants:	LC <sub>50</sub>	72 hours	No data	-	-	-
Other organisms:			No data	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC <sub>50</sub>	96 hours	No data	-	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No data	-	-	-
Algae/aquatic plants:	LC <sub>50</sub>	72 hours	No data	-	-	-
Other organisms:			No data	-	-	-
<b>12.2. Persistence and degradability</b>						
Abiotic degradation						
	Degradation half-lives	Method	Evaluation	Note		
Marine water	No data	-	-	-		
Fresh water	No data	-	-	-		

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Air	No data	-	-	-
Soil	No data	-	-	-

Biodegradation				
% Degradation	Time (days)	Method	Evaluation	Note
No data	-	-	-	-

12.3. Bio-accumulative potential						
Octanol-water partition coefficient (log Kow)						
Value	Concentration	pH	°C	Method	Evaluation	Note
No data	-	-	-	-	-	-

Bioconcentration factor (BCF)						
Value	Species	Method	Evaluation	Note		
No data	-	-	-	-		

Chronic ecotoxicity						
Value	Dose	Exposure time	Species	Method	Evaluation	Note
Chronic toxicity on fish	LC <sub>50</sub>	No data	-	-	-	-
Chronic toxicity on crustacea (Daphnia)	EC <sub>50</sub>	No data	-	-	-	-

12.4. Mobility in soil						
Known or predicted distribution in environmental compartments:						
No data						
Surface tension:						
Value	°C	Concentration	Method	Note		
No data	-	-	-	-		

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Adsorption/desorption					
Transport	A/D coefficient Henry's constant	log Kow	Evaporation rate	Method	Note
Soil-Water	No data	-	-	-	-
Water-Air	No data	-	-	-	-
Soil-Air	No data	-	-	-	-
<b>12.5. Results of PBT and vPvB assessment</b>					
Not PBT nor vPvB					
<b>12.6. Other adverse effects</b>					
None known.					

<b>SECTION 13. Disposal considerations</b>	
<b>13.1. Waste treatment methods</b>	
The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.	
<b>13.1.1. Product/Packaging disposal:</b>	
Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.	
<b>13.1.2. Waste codes/waste designations according to Low:</b>	
<b>13.1.3. Waste treatment – relevant information:</b>	
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.	
<b>13.1.4. Sewage disposal – relevant information:</b>	
Not to spill into the sewer	
<b>13.1.5. Other disposal recommendations:</b>	
None	

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13.1.6.	Relevant Community provisions:
	Waste management regulations

**SECTION 14. Transport information**

Transporting/shipment by road (ADR)	
UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No
Special precautions for user:	None
Transporting/shipment by rail (RID)	
UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No
Special precautions for user:	None
Transporting/shipment by inland waterways (ADN)	
UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No
Special precautions for user:	None
Transporting/shipment by sea (IMDG)	
UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No
Special precautions for user:	None
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	
Transporting/shipment by air (ICAO-TI/IATA-DGR)	

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UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Environmental hazards:	No
Special precautions for user:	None

Further information:	Limited quantities LQ4
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**SECTION 15. Regulatory information**

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EU regulations	
	Authorisations and/or restrictions on use	
	Authorisations:	No data
	Restrictions:	No data
	Other EU regulations:	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (<b>REACH</b>) – as amended</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures (<b>CLP</b>) – as amended</p> <p>Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work – as amended</p> <p>Regulation (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products</p>
	Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)	
	National legislation:	
15.2.	Chemical safety assessment	
	None	

**SECTION 16. Other information**

16.1.	Indication of changes:	
16.2.	Abbreviations and acronyms:	

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16.3.	Key literature references and source of data:	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)	
	Classification	Classification procedure
16.5.	Relevant H statements (number and full text)	
	H: 225	Highly flammable liquid and vapour.
	H: 319	Causes serious eye irritation.
16.6.	Training advice:	None
16.7.	Further information:	All of the above information is based in current knowledge. This MSD S is made exclusively for this product.

<b>ANNEX: Exposure scenario resulting to Chemical safety assessment</b>