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Trade name:		Zidac Multipurpose Sur	rface disinfectant		
Product code:	FO 40-00006	Date of compilation:	25.06.2020.	Version:	1

SECTIO	N 1: Identification of	the substance	/mixture a	and of the company/undertaking	
1.1.	Product identifier				
	Trade name:	Zidac Multipu	rpose Surfa	ce disinfectant	
	Chemical name:	_			
	Catalogue number:	-			
1.2.	Relevant identified use	es of the substa	nce or mixt	ure and uses advised against	
	Uses:		Disinfed	rpose ethanol based liquid for fast disinfection (PT2 stants and algaecides not intended for direct sion to humans or animals and PT4 Food and feed area)	
	Uses advised against:		Any oth	er than specified	
	Reason why uses advis	ed against:	-		
1.3.	Details of the supplier	of the safety da	ta sheet		
	Supplier:	ZIDA	C LABORAT	ORIES	
	Address:		5, Merlin P ort Service	ark Road, Portsmouth, PO3 5FU	
	Telephone number:	+44	(0)7387018	110	
	Telefax:				
	e-mail of competent p	erson: zeljk	a.putarek@	Ozidac.co.uk	
	National contact:				
1.4.	Emergency telephone	number			
	National Protection an	tion and Rescue Directorate:		112 (Europe)	
	Medical information:				
	Other information:				

SECTIO	SECTION 2. Hazards identification				
2.1.	Classification of the substance or mixture				
2.1.1.	Classification according to Regulation (EC) No	o 1272/2008 (CLP)			
	Hazard class and category code:	Hazard statement*:			
	Eye Irrit. 2 H319				
	Flam. Liq. 2	H225			
2.1.2.	Additional information				
* For fu	ıll text of Hazard- and EU Hazard-statements:	see SECTION 16			
2.2.	Label elements				
	Product identification:	Zidac Multipurpose Surface disinfectant			
	Identification number:	-			

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	Authorisation number:	-		
	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.		
2.3.	Other hazards			
	None known	None known		

SECTION 3. Comp	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 / -	-	78.2	Ethanol	Flammable liq, Category 3 Eye irritation, Category 2 H225, H319			
90-43-7 / 201-993-5 / -	-	0.1	2-phenylphenol	Skin irritation, category 2 Eye irritation, Category 2 STOT SE 3 Aquatic acute 1 Aquatic chronic 1 H315, H319, H335, H400, H410			

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SECTI	ON 4. First aid measures			
4.1.	Description of first aid me	Description of first aid measures		
	General notes:			
	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: Following ingestion:		Irritation. Avoid contact with eyes. If contact occurs, remove any contact lenses and open eyelids wide apart. Continue to rinse for a least 15 minutes. Get medical attention promptly if symptoms occur after washing.	
			DO NOT induce vomiting. Get medical attention immediately.	
	Self-protection of the first	aider		
4.2.	Most important symptoms	Most important symptoms and effects, both acute and delayed		
	Following inhalation:	No sp	pecific symptoms known.	
			specific symptoms known.	
	Following eye contact: May o		r cause severe eye irritation.	
	Following ingestion: May		cause nausea, headache, dizziness and intoxication.	
4.3.	Indication of any immedia	Indication of any immediate medical attention and special treatment needed		
	No specific recommendation.			

SECTIO	SECTION 5. Firefighting measures					
5.1.	Extinguishing media					
	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.				
5.2.	Special hazards arising from the substance or mixture					
	Hazardous combustion products:	Carbon oxides				
5.3.	Advice for firefighters					
	Use personal protective equipment and fight fire from safe distance.					
5.4.	Additional information					
		kaging. Fire residues and contaminated fire extinguishing water h local regulations. In the event of fire and/or explosion do not				

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SECTIO	ON 6. Accidental release meas	ures	
6.1.	Personal precautions, protectiv	e equipment and emergency procedures	
6.1.1.	For non-emergency personnel		
	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 conta	ainment 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.		

SECTIO	SECTION 7. Handling and storage					
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.				

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	Other measures:						
7.1.2.	Advice on general occupational hygiene:						
	Do not smoke in work area.						
7.2.	Conditions for safe storage, including any incomp	patibilities					
	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:						
7.3.	Specific end use(s)						
	Recommendations:						
	Industrial sector specific solutions:						

SECTIO	ON 8. E	xposu	re cont	rols/persor	nal pı	rotection						
8.1.	Cont	rol para	meters	meters								
Substance CAS			CAS No)	Occupational e	exposure limit term values	Bi	ological limit values				
						ppm	mg/m³					
ethanol 64-17-5			5	1000	1920		-					
Substar	ubstance: -											
EC No:		- CAS No:			-							
DNEL												
						Industrial						
Route o	of ovno	curo	Acut	te effect		Acute effect	Chronic effect		Chronic effect			
Route t	л ехро	isure.	l	ocal		systemic	local		systemic			
Oral			No	o data		No data	No data		No data			
Inhalation 1900 mg/m ³			No data	No data		950 mg/m ³						
Dermal No data No data 343mg/kg bw/d								343mg/kg bw/d				
Critical	Critical physical parameters: solubility, flammability, corrosivity:											
						Consumer	-					

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Route of e	ypocuro:	Acute effect	Acı	ute ef	fect	Chronic effect	Chronic effect		
Noute of e	exposure.	local	S	ystem	nic	local	systemic		
Oral		No data	N	lo da	ta	No data	No data		
Inhalation		No data	N	lo da	ta	No data	No data		
Dermal		No data	N	lo da	ta	No data	No data		
PNEC									
Environme	ental prote	ction target			PNEC				
Fresh wat	er				No data				
Freshwate	er sediment	:s			No data				
Marine wa	ater				No data				
Marine se	diments				No data				
Food chair	n				No data				
Microorga	nisms in se	wage treatment			No data				
Soil (agric	ultural)				No data				
Air	Air								
8.2.	Exposure	e controls							
8.2.1.	Appropr	iate engineering co	ntrols						
	measure	ce/mixture related es to prevent exposi dentified uses:	ure		Do not breathe vapour. Ensure good ventilation. Follow the instructions for use.				
	Structur	al measures to prev e:	rent	Ensu	ire well ve	ntilation of the workspa	pace.		
	_	ntional measures to exposure:		prot	-	orkplace ventilation and ipment. Do not eat, drir			
	Technica exposure	al measures to preve e:	ent	Effe	ctive venti	lation.			
8.2.2.	Persona	protection equipm	ent:						
8.2.2.1.	Eye and	face protection:			•	e equipment must be in propriate, face-wearing			
8.2.2.2.	Skin pro	tection:							
	Hand protection: Where app			appro	opriate lat	ex or PVC gloves (EN 374	4)		
	Other sk	in protection:	Cotton 10335).		ing (EN ISC	O 13688) and suitable in	door footwear (ISO		
8.2.2.3.	Respirat	ory protection:	In norm	nal co	nditions n	ot needed.			
8.2.2.4.	Thermal	hazards:							

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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.
	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.

•	Information on basic physical and	chemical properties	
		Value	Method
	Physical state:	liquid	
	Colour:	colourless	
	Odour:	Alcoholic, pleasant	
	Odour threshold;	No data	
	pH:	5.0 – 9.5	
	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	0.848 - 0.860 @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	

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	Decomp	osition temperature:	No data				
	Viscosity: Explosive properties:		No data				
			None				
	Oxidising properties:		None				
9.2.	Other in	formation					
	None						
SECTI	ON 10 · S+	ability and reactivity					
10.1.	Reactivit		There are knowr product.	reactivity hazard	ds associated	with this	
10.2.	Chemica	l stability:	Stable under nor	mal conditions.			
10.3.	Possibilit	ty of hazardous reactions:	No dangerous re use.	action known un	der condition	s of normal	
10.4.	Conditio	ns to avoid:	Heat, spark, ope	Heat, spark, open flame.			

None known.

Carbon oxides.

11.1.	Informa	ation on toxicologi	cal effects						
	Acute to	oxicity:							
Route (Method	Species	Effe	ective Dose LD or ATE _{mixture}		Exposi	ure time	Results
Oral:		No data	-	-			-		-
Derma	l:	No data	_	-			-		_
Inhalat	ion:	No data	-	-			-		-
			Specific eff	ects		Targe	et organ		Note
Oral:		No data	•					-	
Derma	l:	No data				-		-	
Inhalat	ion:	No data				-		-	
		i			<u>i</u>				
	Aspirati	ion hazard:		No data	1				
	Irritatio	n and corrosion:							
			Exposure	time	Species	Evalu	ation	Method	Note

10.5.

10.6.

Incompatible materials:

Hazardous decomposition products:

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Skin corrosion/irritat	ion	No data		-	-	-	-
Serious eye damage/	'irritation	No data		-	-	-	Irritant
Sensitization	n						
Skin sensitization:	No	o data, pos	sible in pers	ons with sei	nsitive skin.		
Respiratory sensitiza	tion: No	o data avai	lable.				
				d toxicologic	cal characteristic	S	
Oral exposure:		ata availabl					
Dermal exposure:		ata availabl					
Inhalation exposure:		ata availabl					
Eye exposure:	No da	ata availabl	le.				
			. Labar 1	- L			
Repeated do	ose toxicity (•		NA - +	F l	NI
Cultura and	Dos		osure time	Species	s Method	Evaluati	on Note
Subacute oral	No dat			-	-	-	-
Subacute dermal	No dat			-	-	-	-
Subacute inhalation Subchronic oral	No dat No dat			-	-	-	
Subchronic dermal	No dat			-	-	-	-
Subchronic dermai				-	-	-	-
Chronic oral	No dat					-	-
Chronic drai Chronic dermal	No dat						
Chronic inhalation	No dat						
	No dat	<u> </u>					
Specific targ	get organ tox	icity – repe	eated exposu	ure (STOT RE	 E):		
			ic effects	·	Target orga	an	Note
Subacute oral	No dat	•		-		-	
Subacute dermal	No dat	a		-	_	-	
Subacute inhalation	No dat	a		-	_	-	
Subchronic oral	No dat	a		-	-	-	
Subchronic dermal	No dat	a		-	-	-	
Subchronic inhalation	n No dat	a		-	-	-	
	No dat	a		-	-	-	
Chronic oral	140 dat	a					

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

12.1. Toxicity						
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	No data	-	-	-
Crustacea:	EC ₅₀	48 hours	No data	-	-	-
Algae/aquatic plants:	IC ₅₀	72 hours	No data	-	-	_
Other organisms:			No data	-	-	-
Chronic (long-term) toxicity	Doza	Exposure time	Species	Method	Evaluation	Note
Fish:	LC ₅₀	96 hours	No data	-	-	_
Crustacea:	EC ₅₀	48 hours	No data	-	-	_
Algae/aquatic plants:	IC ₅₀	72 hours	No data	-	-	_
Other organisms:			No data	-	-	-

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	Abiotic degradation									
		Degrad	ation half-	lives	Į N	1ethod		Evaluati	on	Note
Marine	water	No data			-		-		-	
Fresh w	vater	No data			-		-		-	
Air		No data			_		-		-	
Soil		No data			-		-		-	
	Biodegradation									
% Deg	gradation	1 -	Time (days)	N	1ethod		Evaluati	on	Note
No data	a	-			-		-		-	
		,			•				,	
12.3.	Bioaccı	umulative _l	ootential							
	Octano	l-water pa	rtition coe	fficient	(log Kov	v)				
Valu	e	Concentra	tion	Н	°C	Method		Eval	uation	Note
No data	a -		_		-	-				
			i						i	
	Biocon	centration	factor (BC	=)						
V	alue		Species			Method		Evalua	tion	Note
No data	a	_			-		-		_	
					1		1			
	Chroni	c ecotoxici	ty							
	Vrijedno	ost	Dose		osure ime	Species	V	1ethod	Evaluation	Note
Chronic	c toxicity	on fish	LC ₅₀	No d		_	-		-	_
	toxicity									
crustacea (Daphnia) EC ₅₀		No d	ata	-	_		-	-		
12.4.	Mobilit	ty in soil								
	Known	or predict	ed distribu	tion in	environ	mental compa	rtme	ents:		
	No dat	a								

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	Surfa	ice tension:							
	V	alue °C	Concentration Me		Metho	Method -		Note	
	No d	ata -							
	Adso	rption/desorption							
Transport		A/D coefficient Henry's constant	log Kow	Evaporation rate		Method		Note	
Soil-Wa	ater	No data	-			-	-		
Water-	-Air	No data	-	_		-	-		
Soil-Air	<u></u>	No data	-	-		-	-	•	
		ī	·	•	·				
12.5.	Resu	Its of PBT and vPvB ass	essment						
	Not PBT nor vPvB								
	1								
12.6.	Other adverse effects								
	None	e known.							

SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
•	duct should not be allowed to enter drains, water courses or the soil. Where possible recycling is d to disposal or incineration. If recycling is not practicable, dispose of in compliance with local ons.
13.1.1.	Product/Packaging disposal:
	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
13.1.2.	Waste codes/waste designations according to Low:
13.1.3.	Waste treatment – relevant information:
	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.
13.1.4.	Sewage disposal – relevant information:

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	Not to spill into the sewer
13.1.5.	Other disposal recommendations:
	None
13.1.6.	Relevant Community provisions:
	Waste management regulations

SECTION 14. Transport informa	tion
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

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Special precautions for user:	None
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	
Transporting/shipment by air (I	CAO-TI/IATA-DGR)
UN number:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Environmental hazards:	No
Special precautions for user:	None
Further information: Limited quantit	ies LQ4

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:	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 (REACH) – as amended			
		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 (CLP) – as amended			
		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			
		Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Counci 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			
		Regulation (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products			
	Information according 19 guideline)	99/13/EC about limitation of emissions of volatile organic compounds (VOC-			
	National legislation:				
15.2.	Chemical safety assessment				
	None				

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SECTIO	ON 16	6. Other information			
16.1.	Indication of changes:				
16.2.	Abbreviations and acronyms:		:		
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)				
Classifi	Classification		Classification procedure		
16.5. Relevant H statements (numb			ber and full text)		
	H:	225	Highly flammable liquid and vapour.		
	H:	315	Causes skin irritation.		
	H:	319	Causes serious eye irritation.		
	H:	335	May cause respiratory irritation.		
	H:	400	Very toxic to aquatic life.		
	H:	410	Very toxic to aquatic life with long lasting effects.		
16.6.	Training advice: No		None		
16.7.	Further information:		of the above information is based in current knowledge. This MSD S is de exclusively for this product.		

ANNEX: Exposure scenario resulting to Chemical safety assessment								