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Trade name:	,	ΓG SURFACE SF	HELD (Ready-	to-use)	
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

1.1	Identification of the product				
	Trade name:	TG SUR	RFA(CE SHIELD (Ready-to-use)	
	Chemical name:	- Not app	licabl	e	
	Catalogue number:	- Not app	licabl	e	
1.2	Respective identified recommended	d purpose	of the	e substance or mixtures and purposes that are not	
	Use:			Invisible water, soil & stain repellent coating for glass, porcelain & ceramics.	
	Purposes that are no recommended:	ot		-	
-	The reasons for non	-use		-	
1.3	Information on the supplier submit		omitti	ng the Safety Data Sheet	
	Name of the company: TG-		TG-C	CLEAN A/S	
	Address Vær		Værk	erkstedsvej 24 A, 4600 Køge, Denmark	
	Telephone: +45		+45 4	45 43 90 84 00	
	E-mail of the respon person:	•		@tg-clean.dk	
	Emergency telephor number:	ne	+ 45	5 82 12 12 12 – giftlinjen, Bisbebjerg Hospital	
	Telephone number f medical information:		+ 45	43 90 84 00	

SECT	TION 2 HAZARDS IDENTIFICATION				
2.1	Classification of the substance or mixture				
2.1.1	Classification according to Regulation (I	EC) No	1272/2008 (CLP)		
	Hazard Class and Category Code:		Hazard statement*:		
	Flam. liq. 2		H225 Highly flammable liquid and vapour.		
2.1.2	Classification according to Directive 1999/4	5/EC			
	Hazard symbols:		Risk statement*:		
	F Flammable	R11 Highly flammable.			

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Trade name:		TG SURFACE SI	HIELD (Ready-	-to-use)		
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1	

2.1.3	Additional information	
	The classification corresponds to literature and company data.	valid EU regulations. It has been modified by data from professional
*Full te	ext regarding R, H and EUH stat	ements is listed in Section 16.
2.2	Labelling elements according	to Directive 1999/45/EC or Regulation (EC) No 1272/2008 (CLP)
	Identification of the product:	INVISIBLE SHIELD® - RTU (Ready-to-use)
	Index number:	- Not applicable
	Authorization number:	- Not applicable
	Hazard pictograms/hazard symbols: Signal Word:	DANGER
	Hazard statements:	1 - 1 - 1
	Precautionary statements:	H225 Highly flammable liquid and vapour. P102 Keep out of reach of children. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P404 Store in a closed container. P403 + P235 Store in a well ventilated place. Keep cool. P501 Dispose of contents/container in accordance with national regulation.
	Additional information regarding hazards:	- None
2.3	Other hazards	

SECTION 3	SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS							
CAS/ EC/ Index number	Registration number under REACH	% by weight	Name	Classification according to 67/548/EEC	Classification according to (EC)1272/2008 (CLP)			
64-17-5/ 200-578-6/ 603-002-00- 5	-	cca 92 %	Ethyl Alcohol	F R: 11	Flam. Liq. 2, H225			

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Trade name:	TG SURFACE SHIELD (Ready-to-use)				<u>ugu e or 19</u>	
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1	

94363-18-5/ -/ - 1-8%	Dimethylsilicone Fluid	-	
-----------------------	---------------------------	---	--

Any concentration shown as a arrange is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier nad in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4.1	Description of the first-ai	d measures			
	General indications:	-			
	After inhalation:	In case of accident by inhalation, remove victim to fresh air and keep at rest. Get medical attention in case the symptoms appear or if adverse health effects persist.			
	After skin contact:	Skin contact unlikely when product is used as directed. If excessively contacted, remove contaminated clothing and shoes. Wash affected areas with running, lukewarm water, soap mildly and continue to rinse. Get medical attention if symptoms occur.			
	After eye contact:	Avoid contact with eyes. If accidentally contacted, wash your hands, hold the eyelids open with clean fingers and flush the eye with lukewarm water for at least 10 min. If the injured person is wearing contact lenses, remove them, if easy to do during flushing. If irritation develops, get medical attention.			
	After ingestion:	Product not for ingestion. If accidentally ingested, DO NOT induce vomiting. Rinse mouth out with water. If the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Seek medical help immediately and show the package or label to the physician. Do not give an unconscious person any food or drink.			
	Personal protection of an individual providing first aid:	- When used as directed by product labels, no personal protection is required.			
4.2	Most important symptoms and effects, both acute and delayed				
	After inhalation:	No known significant effects or critical hazards. When the concentrations are high, and an individual is sensitive, the following may occur: cough, sneezing, a runny nose.			
	After skin contact:	No known significant effects or critical hazards. When in longer contact with skin, and if an individual is sensitive, the following may occur: redness, itch.			
	After eye contact:	No known significant effects or critical hazards. When the concentrations are high, and an individual is sensitive, may cause redness and tearing.			
	After ingestion:	In case of swallowing large quantities, may cause nausea, vomiting.			

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Trade name:	7	ΓG SURFACE SH	HELD (Ready-		age 10119
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

4.3	Urgent medical assistance and special treatment	
	Treat symptomatically.	

SECT	SECTION 5 FIRE-FIGHTING MEASURES						
5.1	Extinguishing agents	Extinguishing agents					
	Suitable media: Use dry chemical, CO ₂ , water spray (fog) or foam.						
	Unsuitable media:	Do not use water jet or water-based extinguishers.					
5.2	Special exposure hazards	arising from the substance or mixture itself					
	Hazardous combustion products:	Carbon monoxide, carbon dioxide, metal oxide/oxides. Highly flammable liquid and vapour. Do not inhale vapours and gasses occurring due to products' combustion.					
5.3	Advice to fire-fighters	Advice to fire-fighters					
	Fire-fighters should always wear fire-proof suit (in accordance with standard HRN EN 469) and open-circuit self-contained compressed air breathing apparatus (HRN EN 137) in case of fire in closed area.						
5.4	Additional information						
	Prevent leakage and water us covering drains.	sed for extinguishing to cause pollution of watercourses by enclosing and					

SECT	ECTION 6 ACCIDENTAL RELEASE MEASURES				
6.1	Personal precautions, protective equipment and procedures in case of hazard				
6.1.1	For individuals that are not part of emergency staff				
	Protective equipment:	Use the protective equipment in accordance with Section 8 of this document. Avoid skin and eye contact.			
	Accident prevention procedures:	Provide adequate ventilation. Keep away from ignition sources, open flame, heat.			
	Procedures in case of accidents:	Secure the location, wear protective equipment, and prevent from further spreading. Remove all ignition sources, heat or spark. Ensure proper ventilation of the space. Do not inhale vapours/mist.			
6.1.2	For emergency staff:				
	Personal protective equipment for fire-fighters in accordance with the provisions of Section 5 of this document. Personal protective equipment for other emergency staff in accordance with the statements of Section 8 of this document.				
6.2	Environmental precautions:				
	It is not likely that the product would enter the environment, but if it does, it is necessary to prevent it from reaching watercourses, drainage systems and the soil. In case of larger environmental contamination by this product, inform local authorities.				
6.3	Methods and materials to stop spr	eading and for cleaning up			

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Trade name:	TG SURFACE SHIELD (Ready-to-use)				
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6.3.1	To contain:	To contain: Inflammable absorbent material (sand, earth, universal absorbent material).			
6.3.2	For cleaning up:	In case of spill or leak, scatter over it some inflammable absorbent material such sand, earth, universal absorbent material, and pick up mechanically and place in a container. Waste material and removed contaminated surface soil layer must be placed in containers that can be sealed tightly, stored in a well-ventilated area un their disposal. Hand in for disposal to the company authorized to dispose such waste.			
6.3.3	Other information:	Remove all ignition sources, heat or spark. Prevent the discharge of waste water into watercourses.			
6.4	Reference to other sections				
	See Section 7 for information on safe handling.				
	See Section 8 for information on personal protective equipment.				
	See Section 13 for	information on disposal.			

SECT	ION 7 HANDLING AND STORAGE					
7.1	Precautions for safe handling					
7.1.1	Protective measures					
	Fire prevention measures:	Provide adequate ventilation Keep away from ignition s flame, heat. Do not smoke	ources, open			
	Measures to prevent aerosol and dust gene	ation: Keep closed in its original a well-ventilated area.	package. Use in			
	Measures to protect the environment:	Prevent the product from rewatercourses, sewerage an systems.				
7.1.2	Advice on general hygiene at the workplace					
	Forbidden to eat, drink or smoke whilst handling. Wash your hands after handling the product and at the end of shift. Remove contaminated clothes and protective equipment before entering the eating area. Keep out of reach of children.					
7.2	The conditions for safe storage, considering	potential incompatibilities				
	Technical measures and storage conditions:	Keep in dry, cool, dark and well-ventilated area, protected from direct sun light exposure. Store and use away from heat, sparks, open flame or any other ignition source. Containers have to be sealed tightly and set upright vertically. Use only with adequate ventilation.				
	Containers' materials:	Original manufacturer's packaging.				
	Requirements relating to storage rooms and containers:	Ensure proper ventilation. Do not store with oxidizing materials, acids, alkalis. Do not reuse container.				

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Trade name:	TG SURFACE SHIELD (Ready-to-use)				
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	Advice on storage equipping:	Floor drainhole should not be directed towards the sewerage.	
	Other information regarding the storage conditions:	-	
7.3	Specific end use or uses		
	Recommendations:	See Section 1.2 and product labels/literature	
	Specific industry sector solutions	See Section 1.2 and product labels/literature	

8.1 Control parameters								
Substance	CAS	Exposure limit val	ues (ELV/SELV)	Biological limi				
Substance	number	ppm	mg/m³	values				
Ethyl Alcohol	64-17-5	ACGIH TLV (United States, 3/2012). STEL: 1000 ppm 15 minutes NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hours OSHA PEL (United States, 6/2010). TWA: 1000 ppm 8 hours	NIOSH REL (United States, 6/2009). TWA: 1900 mg/m³ 10 hours OSHA PEL (United States, 6/2010). TWA: 1900 mg/m³ 8 hours	-				

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Trade name:				TG SUR	FACE S	HIELD (Ready-	to-use)		
Product code):	EL025		Date o	f issue:	13/02/2016	Issue No:	1	
	i			i		:	i	i	
Ethyl Alcohol (EH40/2005 Workplace exposure limits)	64-1	7-5	1000/-			1920/-			
Name of the substance:									
EC number:	None	,	CAS number:	None - m	ixture		-		
DNEL									
				Ind	ustrial				
Exposure scenario:			cute effects	Acut systemic		Chronic local effect		Chronic systemic ef	
Oral		No info	ormation	No informati	on	No information	No No	information	i
Inhalational		No info	ormation	No informati	on	No information	No No	information	i
Dermal		No info	ormation	No informati	on	No information	No No	information	i
Key physical	paran	neters: s	olubility, fl	ammability, c	orrosion	-			
				Į	Jser				
Exposure scenario:			cute effects	Acut systemic		Chronic local effect		Chronic systemic ef	
Oral		No info	ormation	No informati	on	No information	No	information	l
Inhalational		No info	ormation	No informati	on	No information	No No	information	l
Dermal		No info	ormation	No informati	on	No information	No No	information	l
PNEC							•		
Environmenta	al prot	ection go	oal		PNEC				

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Trade name:	TG SURFACE SHIELD (Ready-to-use)						
Product code:	EL025	Date c	f issue:	13/02/2016	Issue No:	1	
			Г				
Fresh water			No infor	mation			
Freshwater sediments				mation			

Freshwat	1 Testiwater seaments		No information		
Seawate	r		No information		
Seawate	r sediments		No information		
Food cha	ain		No information		
Micro-org	ganisms in waste water treatment	İ	No information		
Soil (agri	cultural)		No information		
Air			No information		
8.2	Exposure control				
8.2.1	Appropriate engineering contr	ol			
	Measures to prevent exposure during recommended use:	forbidd forearm	ventilation of areas where stored and handled. It is en to eat, drink and smoke in work area. Wash hands, as and face thoroughly after handling chemical products, eating, smoking and using lavatory and at the end working		
	Structural measures to prevent exposure:	In accordance with Section 7.			
	Organisational measures to prevent exposure:	-			
	Engineering measures to prevent exposure:	Ensure	sure proper ventilation.		
8.2.2	Personal protection				
8.2.2.1	Eye and face protection:	Not req	uired if operating in normal and prescribed working ons.		
8.2.2.2	Skin protection: conditions.	Not requ	uired if operating in normal and prescribed working		
	Hand protection:		uired if operating in normal and prescribed working ons and under normal conditions of use.		
	Body protection:		uired if operating in normal and prescribed working ons and under normal conditions of use.		
8.2.2.3	Respiratory protection:	Not required if operating in normal and prescribed working conditions and under normal conditions of use.			
8.2.2.4	Thermal hazards:	No information			
8.2.3	Environmental exposure contr	ol			
	Measures for prevention of substance/mixture exposure:	In accor	rdance with Section 6.		
	Structural measures to prevent exposure:	In accor	rdance with Section 6.		

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Trade name:	TG SURFACE SHIELD (Ready-to-use)				
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

Organisational measures to prevent exposure:	In accordance with Section 6.
Engineering measures to prevent exposure:	-

9.1	Information on basic physica	I and chemical propertie) S
		Value	Method
	Appearance:	Liquid	-
	Colour:	Clear	-
	Odour (odour threshold):	Ethanol	-
	pH:	3 (conc. (% w/w):1 %)	-
	Boiling point:	78°C (172.4 °F)	-
	Melting point/freezing point	Not applicable	-
	Flash Point:	10°C (50 °F)	Closed cup (Pensky-Martens)
	Burning time:	Not applicable	
	Burning rate:	Not applicable	
	Evaporation rate:	Not available	-
	Flammability (solid, gas):	Not applicable	-
	Upper/lower flammability or explosive limits:	Not available	-
	Vapour Pressure:	4.4 kPa (33 mm Hg), room temperature	-
	Vapour Density:	>1 (Air=1)	-
	Relative Density:	0.792	-
	Density:	Not available	-
	Solubility:	Soluble in water	-
	Solubility in water:	100 g/l	
	Partition Coefficient: n-octanol/water:	Not available	-
	Auto-ignition temperature:	Not available	-
	Decomposition temperature:	Not available	-
	Viscosity:	Water	-
	Explosive properties:	Not available	-
.2	Other information	·	·

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Trade name:	TG SURFACE SHIELD (Ready-to-use)					
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1	

SECT	SECTION 10 STABILITY AND REACTIVITY				
10.1	Reactivity:	No specific test data related to reactivity available for this product or its ingredients.			
10.2	Chemical stability:	Stable under prescribed conditions of storage and use.			
10.3	Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.			
10.4	Conditions to Avoid:	Avoid all possible sources of ignition (spark or flame).			
10.5	Incompatible materials:	Oxidizing agents, acids, alkalis.			
10.6	Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of fire: Carbon monoxide, carbon dioxide, metal oxide/oxides.			

SECTION 11 TOXICOLOGICAL INFORMATION								
11.1 Information	n on toxicologic	al effects						
Acute toxi	icity:							
Route of entry	Method	Organism	Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure time	Result			
Ingestion:	No information	Rat	ATE _{mixture} =108459.9 mg/kg	No information	No information			
Ingestion (Ethyl Alcohol):	No information	No information	LD ₅₀ =7 g/kg	No information	No information			
Inhalation	No information	Rat	LC ₅₀ =124700 mg/m3	4 hours, inhalation,	No information			
(Ethyl Alcohol):			8	vapour				

No known significant effects or critical hazards.

As formulated, recommended and directed for use as a coating for siliceous, inanimate surfaces, this product presents no toxicological concerns to the user. If misused, this SDS provides sufficient information for initial responders and physicians to determine the correct course of treatment.

Target organ toxicity – single exposure (STOT SE):								
Specific effects Exposed organ No								
Ingestion:	No information	No information	No information					
Skin contact:	No information	No information	No information					
Inhalation:	No information	No information	No information					

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Trade name:		TG SURFACE SHIELD (Ready-to-use)						
Product code:	EL025	Da	ate of issue:	13/02/	2016 Issu	e No:	1	
coating for siliceo	cant effects or critius, inanimate surfactorides sufficient creatment.	ces, this pro	oduct presen	ts no toxic	cological cond	erns to th	e user. If	
Aspiratio	n Hazard:	T	here is no ap	plicable dat	ta.			
Respirato	ory irritation:	N	lo information	า				
ТСЭрнак	ory irritation.	11	io imormation	.1				
Irritation	and corrosion							
- 1	Exposure duration	Organ	ism Ev	aluation	Method		Note	
Skin irritation:	24 hours 20 mg	Rabbit	No info	rmation	No information		Alcohol: rate irritant	
Eye irritation:	100 μL	Rabbit	No info	mation	No information		Alcohol:	
Eye irritation:	24 hours 500 mg	Rabbit	No info	rmation	No information		Alcohol: rritant	
Eye irritation:	0.066666667 minutes 100 mg	Rabbit	No info	rmation	No information		Alcohol: ate irritant	
product presents i	commended and di no toxicological con ers and physicians	cerns to the	e user. If mi	sused, this	SDS provide		•	
Sensitisa	tion							
Skin contact:	There is no applica	able data.						
Inhalation:	No information							
•	symptoms							
Ingestion:	No information							
Skin contact:	No information							
Inhalation:	No information							

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Trade name:	7	TG SURFACE SE	IIELD (Ready-	to-use)	
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

Eye contact:	No information	n							
Repeated dose toxicity (subacute, subchronic, chronic)									
	Dose	Exposure duration	Organism	Method	Evaluation	Note			
Subacute oral	No information	No information	No information	No information	No information	No information			
Subacute dermal	No information	No information	No information	No information	No information	No information			
Subacute respiratory	No information	No information	No information	No information	No information	No information			
Subchronic oral	No information	No information	No information	No information	No information	No information			
Subchronic dermal	No information	No information	No information	No information	No information	No information			
Subchronic respiratory	No information	No information	No information	No information	No information	No information			
Chronic oral	No information	No information	No information	No information	No information	No information			
Chronic dermal	No information	No information	No information	No information	No information	No information			
Chronic respiratory	No information	No information	No information	No information	No information	No information			

No known significant effects or critical hazards. As formulated, recommended and directed for use as a coating for siliceous, inanimate surfaces, this product presents no toxicological concerns to the user. If misused, this SDS provides sufficient information for initial responders and physicians to determine the correct course of treatment.

Target organ toxicity – repeated exposure (STOT RE):									
	Specific effects	Exposed organ	Note						
Subacute oral	No information	No information	No information						
Subacute dermal	No information	No information	No information						
Subacute respiratory	No information	No information	No information						
Subchronic oral	No information	No information	No information						
Subchronic dermal	No information	No information	No information						
Subchronic respiratory	No information	No information	No information						

Trade name:		TG SURFACE SHIELD (Ready-to-use)							
rraue riame.									
Product co	ode:	EL025	Date of issue:		13/02/2016	Issue No:	1		
Chronic oral No information				No information	n	No information			
Chronic dermal					No information	n	No information		
Chronic respiratory		information			No informatio	n	No information		
surfaces, th	is produ	ble data. As formulat ct presents no toxico ial responders and ph	logical conce	rns to the us	er. If misused, tl	his SDS prov			
C	MR effe	ects (carcinogenicit	y, mutagenio	city, reprodu	uctive toxicity)				
C	Carcinogenicity:			There is n	o applicable data	ì.			
М	Mutagenicity in-vitro:				o applicable data	1.			
G	Genotoxicity			No information					
M	Mutagenicity in-vivo:			There is no applicable data.					
M	lutageni	ic effect on reprodu	ictive cells	No information					
R	eprodu	ctive organ toxicity			o applicable data				
Te	eratoge	nicity:		There is no applicable data.					
Тс	otal eva	lluation of CMR pro	perties:	No known significant effects or critical hazards. As formulated, recommended and directed for use as a coating for siliceous, inanimate surfaces, this product presents no toxicological concerns to the user. If misused, this SDS provides sufficient information for initial responders and physicians to determine the correct course of treatment.					
11.2 Pi	ractical	experience:							
0	Observations relevant to classification:		ssification:	No information					
0	Other observations:			No info	rmation				
11.3 G	eneral i	ndications:							
th	nis produ	lated, recommended uct presents no toxic on for initial respor	cological con	cerns to the	user. If misuse	ed, this SDS	provides sufficient		

SECTION 12 ECOLOGICAL INFORMATION								
12.1 Toxicity								
Acute toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note		

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				- ***	e 1 : 01 1)
Trade name:	TG SURFACE SHIELD (Ready-to-use)				
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

Fish	LC50= 1400000 μg/L	96 hours	Fish – Gambusia affinis	No information	No information	Ethyl Alcohol
Crustaceans	EC50=2000 μg/L	48 hours	Daphnia – Daphnia magna, Fresh water	No information	No information	Ethyl Alcohol
Crustaceans	LC50=25500 μg/L	48 hours	Crustaceans- Artemia franchiscana – Larvae, Marine water	No information	No information	Ethyl Alcohol
				No	No	Ed 1 Al 1 1
Algae	EC50=17.921 mg/L	96 hours	Algae – <i>Ulva</i> pertusa, Marine water	information	information	Ethyl Alcohol
Micro- organisms	No information	No informatio n	No information	No information	No information	No information
Chronic toxicity	Dose	Exposure time	Organism	Method	Evaluation	Note
Fish	NOEC=0.37 5 μg/L	12 weeks	Fish – Gambusia holbrooki - Larvae, Fresh water	No information	No information	Ethyl Alcohol
Crustaceans (Daphnia)	No information	No information	No information	No information	No information	No information
Algae/ aquatic plants	NOEC=4.99 5 mg/L	96 hours	Algae – <i>Ulva</i> pertusa, Marine water	No information	No information	Ethyl Alcohol
Other organisms	No information	No information	No information	No information	No information	No information

As formulated, recommended and directed for use as a coating for siliceous, inanimate surfaces, this product presents no ecological or environmental concerns greater than those of liquid cleaners, cream cleansers, soaps, detergents, emulsifiers or other cleaner/degreasers.

12.2 Persistence and degradability

Abjotic	dogradation
ADIOUC	degradation

	Degradation half-life	Method	Evaluation	Note
Seawater	No information	No information	No information	No information
Fresh water	No information	No information	No information	No information
Air	No information	No information	No information	No information

				•							Pag	ge 15 of 19
Trade r	name:				TG S	SURFA	CE SH	IIELD (I	Ready-	to-use)		
Product code: EL025		Date of issue: 13/02/2016 Iss		Issue	No:	1						
Soil	N	o informat	ion		No ii	nformati	on	No infor	mation		No int	formation
There is	no availa	ble data.										
	Biodegr	adation										
% degra	of		ne (day	s)		Method		Eva	aluatio	n		Note
No infor	mation	No inform	nation		No i	nformati	on	No infor	mation	L	No in	formation
No infor	mation	No inform	nation		No i	nformati	on	No infor	mation		No in	formation
12.3	Bioaccu	mulative p	otentia	al								
	Partition	Coefficie	nt octa	nol/wate	er (log	Pow)						
Value	Conc	entration		эΗ		°C	Me	ethod	Eva	luation		Note
-0.32	No inf	ormation	No inforr	nation	No info	rmation	No infor	mation	Low		Eth	nyl Alcohol
	Biocono	entration	factor -	BCF								
Va	alue	0	rganisı	n	Method		b	Evaluation		on	Note	
No infor		No info			No information			No information				nformation
No infor			nformation		No information No information		No information No information			No information No information		
No infor	mation	No info	rmation		NO 11	niormatic	on	NO 111	ormati	on	NO 11	normation
	Chronic	ecotoxicit	.y									
:	Value	D	ose	Expos		Orgai	nism	Meth	od	Evalua	ation	Note
Chronic fish	toxicity i	n LC	50	No informa	tion	No inform	ation	No tion information		No information		No information
Chronic toxicity in		n EC	, •50	No information		No inform	:		No No information information		ation	No information
10.1												
12.4	Mobility			-I: - (''		. (l		1				
		ised or as		aistribu	ition in	tne en	vironm	ent:				
		no availabl	e data.									
		tension:	00					B.4 -1				NI (
	Value		°C			tration	NT.	Metho		N.T	- ic	Note
	No informat		rmation			nation		nformatio				mation
	No informat	No ion info	rmation		information No information		No	No information				

						P	age 16 of 19
Trade na	Trade name: TG SURFACE SHIELD (Ready-to-use)						
Product of	code:	EL025	Date of	issue: 13	3/02/2016	Issue No:	1
		· · · · · · · · · · · · · · · · · · ·	i	i		i	
А		on/desorption					
Transport	•	VD coefficient Henry's cons.	log Pow	Volatilit	у	Method	Note
Soil-wate		nformation	No information	No informat	tion No i	information	No information
Water-air		nformation	No information	No informat	ion No i	information	No information
Soil-air	No i	nformation	No information	No informat	tion No i	information	No information
	i		:	i	i		:
12.5 F	BT and	vPvB Assessme	ent results				
N	lo inforn	nation.					
:							
12.6 C	Other ad	verse effects					
							nd directed for use
			nanimate surfaces se of liquid cleaner				
		aner/degreasers.			, 1		
SECTIO	N 13 D	ISPOSAL CON	ISIDERATIONS				
13.1	Method	ds for handling w	aste				
	•		rmation regarding nal authorities for				users to consult
13.1.1	Dispos	al of products/pa	ackaging				
	Coordin	nate the waste disp	osal with the nation	al authorities	•		
13.1.2	Waste	key number:					
	Coordinate the waste disposal with the national authorities.						
13.1.3	Methods of waste treatment:						
	-						
10.4.4	Desa''	lite of an illinois to	o 4b o o o o o o o o				
13.1.4		ility of spilling int					
	Forbidden to empty into the sewers, drainage systems or watercourses.						
13.1.5	Other o	disposal recomm	endations:				
10.1.0	-		oridations.				

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Trade name:	TG SURFACE SHIELD (Ready-to-use)				
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SECTION 14 TRANSPORT IN	
Transport of goods by roa	
UN number:	UN1993
Proper shipping name UN:	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol)
Transport hazard class(ess):	3
Packing group:	П
Environmental hazard:	No
Limited quantities:	1L
Specific user precautions:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident spillage.
Transport of goods by rai	I (RID)
UN number:	UN1993
Proper shipping name UN:	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol)
Transport hazard class(ess):	3
Packing group:	П
Environmental hazard:	No
Limited quantities:	1L
Specific user precautions:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident spillage.
Transport of goods by inla	and waterways (ADN)
UN number:	UN1993
Proper shipping name UN:	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol)
Transport hazard class(ess):	3
Packing group:	П
Environmental hazard:	No
Specific user precautions:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident spillage.
Transport of goods by se	a (IMDG)
UN number:	UN1993
Proper shipping name UN:	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol)
Transport hazard class(ess):	3
Packing group:	П
Environmental hazard:	No

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Trade name:	7	ΓG SURFACE SH	IIELD (Ready-		0 10 01 17
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1

Specific user precaution	ns:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident spillage.		
Transport of go	ods by air (ICAO-TI/IATA-DGR)		
UN number:		UN1993		
Proper shipping name l	JN:	FLAMMABLE LIQUIDS, N.O.S. (Ethyl Alcohol)		
Transport hazard class	(ess):	3		
Packing group:		II		
Environmental hazard:		No		
Specific user precautions:		Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident spillage.		
Additional information:	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available. For the transport of certain dangerous goods, from the requirements of ADR/RID in part or in whole are exempt on the basis of specific provisions of Chapter 3.4. Products, packed in limited quantities, may be subject to exemptions provided that the conditions of Chapter 3.4 are met.			

15.1	Regulations in the area of safety, health, and environment/specific provisions for the substance or mixture				
	Authorizations and/o	r use restrictions			
	Authorizations:	No information			
	Restrictions:	There are no applicable authorizations and/or use restrictions for this product, beyond those specified elsewhere in this SDS or below. (EU regulations as specified remain as listed.)			
	EU regulations:	EC No. 1272/2008, CLP ATP 1 790-2009, CLP ATP corr758-1013, CLP ATP 2 286-2011, CLP ATP 2 286-2011, CLP ATP 487-2013, CLP ATP 5 944-2013., REACH Regulation, REACH ATP1 (340-2008), REACH ATP2 (440-2008), REACH ATP3 (552-2009), REACH ATP4 (761-2009), REACH ATP5 (453-2010), REACH ATP6 (109-2012). Directive 1999/45/EC, Directive 67/548/EEC. Regulation (EC) No 648/2004. European Agreement Concercing the International Carriage of Dangerous Goods by Road-ADR, Dangerous Goods by Rail-RID.			

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		TC CLIDEACE CL	IIELD (Daady)		,0 17 01 17	
Trade name:	TG SURFACE SHIELD (Ready-to-use)					
Product code:	EL025	Date of issue:	13/02/2016	Issue No:	1	

	National regulations: EH40/2005 Workplace exposure limits with amendments October 2007 CHIP 3/ CHIP 4.			
15.2	Chemical Safety Assessment			
	-			

SECTION 16 OTHER INFORMATION		
16.1	Revision indicators:	None
		IMDG: International Maritime Code for Dangerous Goods
		IATA: International Air Transport Association
		ICAO: International Civil Aviation Organization
16.2	Abbreviations:	GHS: Globally Harmonized System of Classification and Labelling of Chemicals
		LC50: Lethal concentration, 50 percent
		LD50: Lethal Dose, 50 percent
16.3	Key literature and sources of data:	Regulation (EC) No 1272/2008, Directive 1999/45/EC,
		SDS INVISIBLE SHIELD® - RTU; INVISIBLE SHIELD® -
		Ready-to-use, 15.06.2013.
16.4	Classification and use of classification procedures for mixtures according to the CLP	
Classification according to the CLP		
Flam. liq. 2, H225		Calculation method, Regulation (EC) No 1272/2008.
16.5	Appropriate R phrases and H statements (number and full text)	
		R11 Highly flammable.
	R:	R36 Causes eye irritation.
		R67 Vapours may cause drowsiness and dizziness.
		H225 Highly flammable liquid and vapour.
	H:	H319 Causes serious eye irritation.
		H336 May cause drowsiness or dizziness.
16.6	Training advice:	-
16.7	Further information:	-

APPENDIX:

EXPOSURE SCENARIOS IN ACCORDANCE WITH THE CHEMICAL SAFETY REPORT.

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