KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005

T7452



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452

1.2 Relevant identified uses of the substance or mixture and uses advised against: Relevant uses: General cleaner. For professional user/industrial user only.

Uses advised against (Professional user): not defined

1.3 Details of the supplier of the safety data sheet:

KiiltoClean Oy Tengströminkatu 6 PL157, 20101 FINLAND - FINLAND Phone.: +358 (0) 207710400 asiakaspalvelu@kiiltoclean.fi www.kiiltoclean.fi

1.4 Emergency telephone number: Poison advisory center in Finland: +358 9 471 977

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

 $Classification \ of \ this \ product \ has \ been \ carried \ out \ in \ accordance \ with \ CLP \ Regulation \ (EC) \ No \ \ 1272/2008.$

Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation

Precautionary statements:

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

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous solution of tensoactives

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification	Chemical name/Classification			
Index:	127036-24-2 Non-applicable Non-applicable Non-applicable	Undecyl alcohol, ethoxylated ⁽¹⁾ Self-classified			
		Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger	<8 %	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

	Identification		Chemical name/Classification			
	64-17-5	Ethanol ⁽¹⁾	Self-classified			
EC: Index: REACH:	200-578-6 Non-applicable 01-2119457610-43- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	<6 %		
CAS:	126-92-1	Sodium ethylhexyl s	ulfate ⁽¹⁾ Self-classified			
REACH:	204-812-8 Non-applicable 01-2119971586-23- XXXX	Regulation 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	<2 %		

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005

T7452

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 25 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace



KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short e	xposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
Ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	1900 mg/m ³	950 mg/m ³	Non-applicable
Sodium ethylhexyl sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 126-92-1	Dermal	Non-applicable	Non-applicable	4060 mg/kg	Non-applicable
EC: 204-812-8	Inhalation	Non-applicable	Non-applicable	285 mg/m³	Non-applicable

DNEL (General population):

		Short e	xposure	Long ex	xposure
Identification		Systemic	Local	Systemic	Local
Ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	950 mg/m ³	114 mg/m ³	Non-applicable
Sodium ethylhexyl sulfate	Oral	Non-applicable	Non-applicable	24 mg/kg	Non-applicable
CAS: 126-92-1	Dermal	Non-applicable	Non-applicable	2440 mg/kg	Non-applicable
EC: 204-812-8	Inhalation	Non-applicable	Non-applicable	85 mg/m³	Non-applicable

PNEC:

Identification				
Ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	Non-applicable	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	720 g/kg	Sediment (Marine water)	Non-applicable
Sodium ethylhexyl sulfate	STP	1,35 mg/L	Fresh water	0,1357 mg/L
CAS: 126-92-1	Soil	0,22 mg/kg	Marine water	0,01357 mg/L
EC: 204-812-8	Intermittent	4,83 mg/L	Sediment (Fresh water)	1,5 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,15 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

	Pictogram	PPE	Labelling	CEN Standard	Remarks
1	Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2003+ A1:2009 and EN ISO 374-1:2016

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452



	55-				
Pictogram	PPE	Labelling	CEN Standard		Remarks
	ramic glasses against olash/projections.	CAT II	EN 166:2001 EN ISO 4007:2018		daily and disinfect periodically according anufacturer 's instructions. Use if there i risk of splashing.
E Body protection					
Non-applicable					
F Additional emergency n	neasures				
Emergency measure	St	andards	Emergency measu	re	Standards
Emergency shower		SI Z358-1 11, ISO 3864-4:2011	Eyewash stations	5	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
spillage of both the produc	and its container.	For additional in	formation see subsectior		nmended to avoid environmental
Information on basic ph Appearance:	ysical and chemi	cal properties:			
Physical state at 20 °C:		Liquid			
Appearance:		Fluid			
Colour:		Red			
Odour:			cteristic		
Odour threshold:		Non-a	pplicable *		
Volatility:					
-	c pressure:	Non-a	pplicable *		
Boiling point at atmospheric pressure:		Non-applicable *			
Vapour pressure at 20 °C:		Non-a	pplicable *		
Vapour pressure at 20 °C: Vapour pressure at 50 °C:			pplicable * ,1 Pa (12,89 kPa)		
		12892			
Vapour pressure at 50 °C:		12892	,1 Pa (12,89 kPa)		
Vapour pressure at 50 °C: Evaporation rate at 20 °C:		12892	,1 Pa (12,89 kPa) pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description:		12892 Non-a 980 kg	,1 Pa (12,89 kPa) pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C:		12892 Non-a 980 k <u>o</u> Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C:		12892 Non-a 980 k <u>c</u> Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C	2:	12892 Non-a 980 kg Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C	2:	12892 Non-a 980 kg Non-a Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C	2:	12892 Non-a 980 kg Non-a Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration:	2:	12892 Non-a 980 kg Non-a Non-a Non-a Non-a 7,6	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH:	C: C:	12892 Non-a 980 k <u>o</u> Non-a Non-a Non-a Non-a 7,6 Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH: Vapour density at 20 °C:	C: C: ol/water 20 ºC:	12892 Non-a 980 kg Non-a Non-a Non-a 7,6 Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH: Vapour density at 20 °C: Partition coefficient n-octar	C: C: ol/water 20 ºC:	12892 Non-a 980 k <u>c</u> Non-a Non-a Non-a 7,6 Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH: Vapour density at 20 °C: Partition coefficient n-octar Solubility in water at 20 °C	C: C: ol/water 20 ºC:	12892 Non-a Non-a Non-a Non-a Non-a 7,6 Non-a Non-a Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH: Vapour density at 20 °C: Partition coefficient n-octar Solubility in water at 20 °C	C: ci ol/water 20 ºC:	12892 Non-a 980 k <u>o</u> Non-a Non-a Non-a 7,6 Non-a Non-a Water Non-a Water Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable *		
Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description: Density at 20 °C: Relative density at 20 °C: Dynamic viscosity at 20 °C Kinematic viscosity at 20 °C Kinematic viscosity at 40 °C Concentration: pH: Vapour density at 20 °C: Partition coefficient n-octar Solubility in water at 20 °C Solubility properties: Decomposition temperature	C: ci ol/water 20 ºC:	12892 Non-a 980 kg Non-a Non-a Non-a 7,6 Non-a Non-a Non-a Water Non-a Non-a Non-a	,1 Pa (12,89 kPa) pplicable * g/m ³ pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable * pplicable *		

*Not relevant due to the nature of the product, not providing information property of its hazards.

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005

T7452



SECTION 9: PHYSICAL AND CHEMIC	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)					
Flammability:						
Flash Point:	55 °C					
Flammability (solid, gas):	Non-applicable *					
Autoignition temperature:	Non-applicable *					
Lower flammability limit:	Non-applicable *					
Upper flammability limit:	Non-applicable *					
Explosive:						
Lower explosive limit:	Non-applicable *					
Upper explosive limit:	Non-applicable *					
9.2 Other information:						
Surface tension at 20 °C:	Non-applicable *					
Refraction index:	Non-applicable *					
*Not relevant due to the nature of the produ	, not providing information property of its hazards.					

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances
 - classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
 - IARC: Polyacrylic acid (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
Undecyl alcohol, ethoxylated	LD50 oral	500 mg/kg (ATEi)	
CAS: 127036-24-2	LD50 dermal	Non-applicable	
EC: Non-applicable	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

	Identification		Acute toxicity	Species	Genus
	Ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
12.2	Persistence and degradability:				

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452



SECTION 12: ECOLOGICAL INFORMATION (continued)

De	egradability	Biodegradability	
BOD5	Non-applicable	Concentration	100 mg/L
COD	Non-applicable	Period	14 days
BOD5/COD	0.57	% Biodegradable	89 %
	BOD5 COD	BOD5 Non-applicable COD Non-applicable	BOD5 Non-applicable Concentration COD Non-applicable Period

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Ethanol	Кос	1	Henry	4,61E-1 Pa·m ³ /mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 30	detergents other than those mentioned in 20 01 29	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:
	Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Ethanol, 2- Phenoxy ethanol.
	Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
	Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Ethanol (Product-type 1, 2, 4, 6)



KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005

T7452

SECTION 15: REGULATORY INFORMATION (continued)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradibility criteria stipulated in Regulation (EC) $n^{o}648/2004$ on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII

- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

Other information:

The Eye Irritation classification is based on the classification according to the bridging principles of the CLP directive and where DetNet reference formulas have been used. The reference formulas are based on the Isolated Chicken Eye Test (OECD TG 438) + histopathological research results. DetNet identification number: DetNet/ 584.

Skin Irritation: addition of the classified ingredients

Eye Irritation: Classification based on the bridging principles (Detergent Industry Network for CLP Classification)

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.: Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed

Eye Dam. 1: H318 - Causes serious eye damage

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 2: H225 - Highly flammable liquid and vapour

Skin Irrit. 2: H315 - Causes skin irritation

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

KiiltoClean Oy - Kiilto Sanita - T7452,T7452.001,T7452.005 T7452



SECTION 16: OTHER INFORMATION (continued)

http://echa.europa.eu http://eur-lex.europa.eu **Abbreviations and acronyms:** ADR: European agreement concerning the international carriage of dangerous goods by road IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 LOG-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.