

ECO INSTITUTIONAL HARD SURFACE CLEANER, Ready-to-use, 1 L

Ver 1.5	sion	Revision Date: 11/10/2022		DS Number: 007718-00005	Date of last issue: 09/21/2021 Date of first issue: 04/26/2018		
SEC		. IDENTIFICATION					
	Product name		:	ECO INSTITUTIC to-use, 1 L	ONAL HARD SURFACE CLEANER, Ready-		
	Produc	ct code	:	893.117111			
	Other	means of identification	:	No data available			
	Manuf	acturer or supplier's o	deta	ails			
	Compa	any name of supplier	:	Würth Canada Lir	nited		
	Address		:	345 Hanlon Creel GUELPH, ON N1			
	Telephone		:	+1 (905) 564 622	5		
	Telefax		:	+1 (905) 564 367	1		
	Emergency telephone		:	CHEMTREC (24/ Transport related	olving a spill, fire, explosion or exposure: 7): 1-800-424-9300 emergencies: : 1-613-996-6666 or * 666 (cell)		
				exposition: CHEMTREC (24/	ant un déversement, incendie, explosion ou 7): 1-800-424-9300		
				Urgences liées au CANUTEC (24/7)	: 1-613-996-6666 ou * 666 (cellulaire)		
	F-mail	address	:	prodsafe@wurth.	ca		
	Recommended use of the cl			•			
		nmended use		Cleansing agents Detergent			
	Restric	ctions on use	:	Not applicable			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common	CAS-No.	Concentration (% w/w)
	Name/Synonym		
Alcohols, C7-C21, eth-		68991-48-0	>= 1 - < 5 *
oxylated	ble		

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* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	None known.
Protection of first-aiders	:	No special precautions are necessary for first aid responders.
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Not applicable Will not burn
Unsuitable extinguishing media	:	Not applicable Will not burn
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides

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	Specific extinguishing meth- ods		Use extinguishing measures that are appropriate to lo cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is s so. Evacuate area.	
•	ecial protective equipment fire-fighters	:	necessary.	ed breathing apparatus for firefighting if tective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Soak up with inert absorbent material. For large spills, provide diking or other appropriate contain- ment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dispo- sal of this material, as well as those materials and items em- ployed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers.



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			Store in accordar	nce with the particular national regulations.
Mater	ials to avoid	:	No special restric	tions on storage with other products.
Recor peratu	mmended storage tem- ure	:	> 0 °C	
ECTION	8. EXPOSURE CONTR	OL	S/PERSONAL PRO	DTECTION
Ingre	dients with workplace	cor	trol parameters	
-	ins no substances with		-	limit values.
Engir	neering measures	:		ventilation, especially in confined areas. ce exposure concentrations.
Perso	onal protective equipm	nent		
Respi	ratory protection	:	No personal resp red.	iratory protective equipment normally requi-
	protection aterial	:	Protective gloves	
Re	emarks	:	on the concentrat applications, we r micals of the afor manufacturer. Wa	protect hands against chemicals depending tion specific to place of work. For special recommend clarifying the resistance to che- ementioned protective gloves with the glove ash hands before breaks and at the end of trough time is not determined for the pro- ves often!
Eye p	rotection	:	Safety glasses Always wear eye eye contact with t Please follow all a	g personal protective equipment: protection when the potential for inadverten the product cannot be excluded. applicable local/national requirements when ve measures for a specific workplace.
Skin a	and body protection	:	Skin should be w	ashed after contact.
Hygie	ne measures	:	eye flushing syste king place. When using do ne	emical is likely during typical use, provide ems and safety showers close to the wor- ot eat, drink or smoke. ed clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

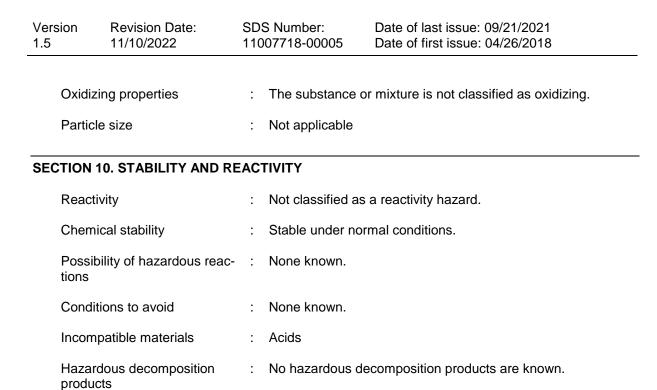
: liquid



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	Color		:	purple	
	Odor		:	characteristic	
	Odor Th	nreshold	:	No data available	9
	рН		:	10.5	
	Melting	point/freezing point	:	No data available)
	Initial bo range	piling point and boiling	:	100 °C	
	Flash p	oint	:	boils before flash	
	Evapora	ation rate	:	No data available)
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Will not burn	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	oressure	:	0.00023 hPa	
	Relative	e vapor density	:	No data available)
	Relative	e density	:	No data available)
	Density		:	No data available)
	Solubilit Wate	ty(ies) er solubility	:	soluble	
	Partitior octanol/	n coefficient: n- /water	:	Not applicable	
	Autoign	ition temperature	:	No data available)
	Decomp	position temperature	:	No data available	9
	Viscosit Visc	y osity, kinematic	:	No data available)
	Explosiv	ve properties	:	Not explosive	





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SECTION 11. TOXICOLOGICAL INFORMATION

Remarks

Information on likely routes of exposure Inhalation Skin contact Ingestion Eye contact						
Acute toxicity						
Not classified based on availa	able	information.				
Components:						
Alcohols, C7-C21, ethoxylat	ted:					
Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials				
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials				
Skin corrosion/irritation Not classified based on available information. Components:						
Alcohols, C7-C21, ethoxylated:						
Species Result	:	Rabbit No skin irritation				

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Based on data from similar materials





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Serious eye damage/eye irritation

Not classified based on available information.

Components:

Alcohols, C7-C21, ethoxylated:

Result	:	Irritation to eyes, reversing within 21 days
Remarks	:	Based on data from similar materials

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Alcohols, C7-C21, ethoxylated:

Test Type :	Maximization Test
Routes of exposure :	Skin contact
	Guinea pig
Method :	OECD Test Guideline 406
Result :	negative
Remarks :	Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Components:

Alcohols, C7-C21, ethoxylated:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

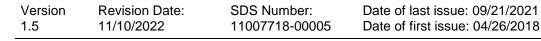
STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components: Alcohols, C7-C21, ethoxylated: Toxicity to fish : LC50 (Scophthalmus maximus (turbot)): 3.1 mg/l Exposure time: 96 h Remarks: Based on data from similar materials Toxicity to daphnia and other : EC50 (Daphnia sp. (Water flea)): 5.3 mg/l aquatic invertebrates Exposure time: 48 h Toxicity to algae/aquatic EC50 (Pseudokirchneriella subcapitata (green algae)): 0.75 2 plants mg/l Exposure time: 72 h Remarks: Based on data from similar materials Toxicity to fish (Chronic tox-NOEC (Lepomis macrochirus (Bluegill sunfish)): > 0.33 mg/l 2 Exposure time: 30 d icity) Remarks: Based on data from similar materials Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 0.77 mg/l aquatic invertebrates (Chron-Exposure time: 21 d Remarks: Based on data from similar materials ic toxicity) Toxicity to microorganisms EC10 (Pseudomonas putida): > 10,000 mg/l • Exposure time: 17 h Method: DIN 38 412 Part 8 Remarks: Based on data from similar materials Persistence and degradability

Components:

Alcohols, C7-C21, ethoxylated	: k	
Biodegradability :	:	Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 28 d Method: OECD Test Guideline 301D

Bioaccumulative potential

No data available

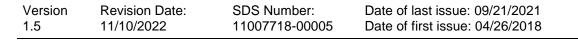
Mobility in soil

No data available

Other adverse effects

No data available

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal r	nethods
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Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

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SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

TDG

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Volatile organic compounds (VOC) content	CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 - Guidelines for VOC in Consumer Products VOC content: 0 % / 0 g/l
The ingredients of this product	are reported in the following inventories:
DSL :	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -



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Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level: NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	11/10/2022 mm/dd/yyyy

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