MATERIAL SAFETY DATA SHEET

Section 1 Product Identification

1.1	Product Name: method toilet cleaner
1.2	Chemical Name
1.3	Article number and barcode: 30226813 and 817939012529
1.4	
1.5	Product use: Powered by natural citric acid to deep clean and remove tough stains
1.6	Supplier's Name: ECOVER CO-ORDINATION CENTER
1.7	Supplier's Address: Steenovenstraat 1A, 2390 Malle Belgium
1.8	Emergency Phone: 03451302230
1.9	Other; internal code 200-1714

Section 2 Hazard Identification

2.1	Hazard Identification: not dangerous (According to Regulation (EC) n° 1272/2008 (CLP))						
2.2	Routes of entry	Inhalation		Absorption		Ingestion	
2.3	Effects of exposure Ingestion: Eyes: Skin: Inhalation:						
2.4	Symptoms of Over exposure Ingestion: Eyes: Skin: Inhalation:						
2.5	Acute Hearth Effects Ingestion: Eyes: Skin: Inhalation:						
2.6	Chronic Health Effects						
2.7	Target organs;						
2.8	Toxicological Properties						
NA= Not Available ND= Not Determined NE= Not Established NF = Not Found C= Celling Limit							

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Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m2)								
					ACGIH		NOHSC			OSHA			Other
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	Classification EC 1272/2008
Citric acid monohydrate	5949-29-1		201-069-1	5-10									Eye Irrit. 2 (H319)
(R)-p-mentha-1,8-diene	5989-27-5		227-813-5	0.01-0.1									Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)

Section 4 First Aid Measures

4.1	Frist Aid: Ingestion: Do NOT induce vomiting. Clean mouth with water and drink plenty of water. Get medical attention Eyes: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice Skin: Wash off immediately with plenty of water. Inhalation: Remove to fresh air.
4.2	Medical Conditions aggravated by expose:

5. Firefighting Measures

5.1	Flashpoint & method: >100°C				
5.2	Auto-ignition Temperature:				
5.3	Flammability limits	Lower explosive limit (LEL)		Upper explosive limit (UEL)	
5.4	Extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment				
5.5	Firefighting Procedures: in the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves				
Additional information: Fight fire with normal precautions from a reasonable distance					

Dunelm	**MATERIAL SAFETY DATA SHEET**

Section 6. Accidental release measures

6.1	Spills: Recover usable material in a clean closable container for reuse. Sweep up contaminated material and dispose of as chemical waste. Remove the remainder with water.
6.2	Any other forms of release: Avoid release to the environment.

Section 7. Handling &storage information

7.1	Work & Hygiene practices:
7.2	Storage & handling: Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place. Do not store <0°C and >40°C.
7.3	Special precautions: Ensure adequate ventilation, especially in confined areas Avoid contact with eyes. Use personal protection recommended in Section 8
7.4	Additional information:

Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls: None under normal use conditions.					
8.2	Respiratory protection					
8.3	Eye protection: Wear safety goggles when clearing accidentally released material.					
8.4	Hand protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.					
8.5	Body protection	**HEALTH**				
		FLAMMABILITY				
		PHYSCIAL HAZARDS				
		SPECIAL EQUIPMENT				

Dunelm	**MATERIAL SAFETY DATA SHEET**

Section 9. Physical & chemical properties

9.1	Density	1.02 kg/l
9.2	Boiling point	
9.3	Melting point	
9.4	Evaporation rate	
9.5	Vapour pressure	
9.6	Molecular weight	
9.7	Appearance & colour	Liquid; light blue
9.8	Odour	characteristic
9.9	Solubility	
9.10	pH	2.55-3.05
9.11	Viscosity	
9.12	Other information	VOC (%): 0.25

Section 10. Stability & reactivity

10.1	Stability: Stable under normal conditions.
10.2	Hazardous Decomposition products: None under normal use conditions.
10.3	Hazardous polymerization
10.4	Conditions to avoid: See section 7 for more information
10.5	Incompatible substances: Do not mix with other cleaning products.

Section 11. toxicological information

11.1	Toxicity data: Mixture:	
11.2	Acute toxicity: Product does not present an acute toxicity hazard based on known or supplied information	
11.3	Chronic toxicity	
11.4	Suspected toxicity	
11.5	Reproductive toxicity: No known effect.	
	Mutagenicity	No known effect.
	Embryo toxicity	No known effect.
	Teratogenicity	No known effect.
	Reproductive toxicity	No known effect.
11.6	Irritancy of product: No known effect.	
11.7	Biological exposure indices	
11.8	Physician recommendations	
11.9	Additional information	

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Section 12. Ecological information

12.1	Environmental stability This product doesn't contain any persistent substances in a concentration of > 0.01 %. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004 (Detergents Regulation) The surface active components used in this product are anaerobically biodegradable.
12.2	Effect on plants & animals
12.3	Effect on aquatic life

Section 13. Disposal consideration

13.1	Waste Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations
13.2	Special Considerations

Section 14. Transportation information

The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transport. Additional descriptive information may be required by 49 CFR. IATA/ICAO, IMDG, TDGR, SCT and ADGR		
14.1	**49 CFR (GND)**	
14.2	**IATA (AIR)**	
14.3	**IMDG (OCN)**	
14.4	**TDGR (Canadian GND)**	
14.5	**ADR/RID (EU)**	
14.6	**Mexico (SCT)**	
14.7	**ADGR (AUS)**	

Section 15. regulatory information

15.1	U.S EPA SARA reporting requirements
15.2	U.S EPA SARA Threshold planning quantity
15.3	U.S EPA TSCA Inventory Status
15.4	U.S EPA CERCLA reportable quantity (RQ)
15.5	Other U.S Federal Requirements
15.6	Other regulations
15.7	U.S State regulatory Information
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements

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Section 16. Other information

16.1	Other information: H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
16.4	Prepared for:
16.5	Company full address: ECOVER CO-ORDINATION CENTER Steenovenstraat 1A 2390 Malle Belgium

MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

General information

CAS No.	Chemical abstract service number

Exposure limits in the air

ACGIH	American conference on governmental industrial hygienists
TLV	Threshold limit value
OSHA	U.S occupational safety and health administration
PEL	Permissible exposure limit
IDLH	Immediately dangerous to life and health

Frist Aid measures

CPR	Cardiopulmonary resuscitation- method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

Hazardous materials identification systems: HMISH

Health, Flammability & reactivity ratings

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

	Hazard rating
HEALTH	
FLAMMABILITY	
PHYSICAL HAZARDS	
Personal Protection	

Personal Protection Ratings:

A		**G**	
B		**H**	

C		**I**	
D		**J**	
E		**K**	
F		**X**	**Consult your supervisor or S.O.P for special handling directions.**

MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

Personal Protection ratings:

Saftey glasses	Gloves	Face shield &eye protection	Splash goggles	Synthetic Apron	Full suit	Boots	Airline Hood/ mask	Full face respirator	Vapor respirator	Dust & vapor respirator

	Note: The dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

Flammability limits in air	
Auto ignition temperature	Minimum temperature required to initiate combustion in air with no other source of ignition.
LEL	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
UEL	Upper explosive limit- highest percent of vapour in air, by volume, that will explode or ignite in the presence of an ignition source.

Other Standard abbreviations:	
NA	Not available
NR	No results
NE	Not established
NF	Not found
ND	Not determined

ML	Maximum limit
SCBA	Self- contained breathing apparatus

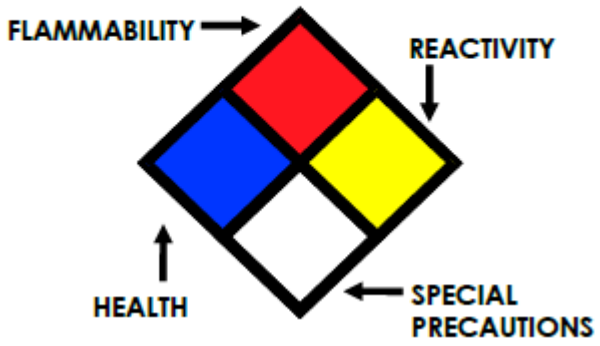
MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

National fire protection association: NFPA Hazard ratings

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W_	Use no water
OX	Oxidizer



Toxicological information

LD $_{50}$	Lethal dose (solids & liquids) which kills 50% of the exposed animals
LC $_{50}$	Lethal concentration (gases) which kills 50% of the exposed animals
ppm	Concentration expressed in parts of material per million parts
TD $_{10}$	Lowest dose to cause a symptom
TCL$_0$	Lowest concentration to cause a symptom
TD$_{10}$, LD$_{10}$ & LD$_0$ or TC, TC$_0$, LC$_{10}$, & LC$_0$	Lowest dose (or Concentration) to cause lethal or toxic effects
IARC	International agency for research on cancer
NTP	National toxicology program
RTECS	Registry of toxic effect chemical substances

BCF	Bio concentration factor
TLm	Median threshold limit
Log Kow or Log Koc	Coefficient of oil/water distribution

MATERIAL SAFETY DATA SHEET

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

Regulatory information	
CPR	Canada's controlled product regulations
DOT	U.S. Department of transport
EPA	U.S Environmental protection agency
EU	European Union (European union directive 67/548/EEC)
DSL	Canadian domestic substance list
MAK	Mandat und die arbeitsweise der commission (work ares commission)
NDSL	Canadian non- domestic substance list
NOHSC	National occupational health & safety code (Australia)
PSL	Canadian Priority substances list
TC	Transport Canada
TSCA	U.S toxic substance control act
WHMIS	Canadian workplace hazardous material information system

EC Information

							
C	**E**	**F**	**N**	**O**	**T+**	**Xi**	**Xn**
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

WHMIS Information

							
A	**B**	**C**	**D1**	**D2**	**D3**	**E**	**F**
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive