



## MATERIAL SAFETY DATA SHEET

### Section 1 Product Identification

1.1	Product Name: method pink grapefruit multi-surface cleaner
1.2	Chemical Name
1.3	Article number and barcode: 30226811 and 817939005255
1.4	
1.5	Product use: its cleaners, derived from corn + coconut, break down dirt naturally
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 3000574

### 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 Health 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= Ceiling Limit							



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## Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m <sup>2</sup> )														
					ACGIH		NOHSC			OSHA			Other						
					ppm		ppm			ppm									
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	Classification EC 1272/2008						
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1		500-220-1	1-5															Eye Dam 1 (H318)
Alcohols, C12-14, ethoxylated	68439-50-9		932-106-6	0.1-1															Eye Dam 1 (H318) Aquatic Acute 1 (H400) Acute Tox. 4 (oral) (H302)
(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)
Potassium Hydroxide	1310-58-3		215-181-3	<0.01															Met. Corr. 1 (H290) Acute Tox. 4, oral (H302) Skin. Corr. 1A (H314)

## Section 4 First Aid Measures

4.1	<p><b>Frist Aid:</b></p> <p><b>Ingestion:</b> Do NOT induce vomiting. Clean mouth with water and drink plenty of water. Get medical attention</p> <p><b>Eyes:</b> In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p><b>Skin:</b> Wash off immediately with plenty of water.</p> <p><b>Inhalation:</b> Remove to fresh air.</p>
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					



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### 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	<b>HEALTH</b>	
		<b>FLAMMABILITY</b>	
		<b>PHYSICAL HAZARDS</b>	
		<b>SPECIAL EQUIPMENT</b>	

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<h3>Section 9. Physical &amp; chemical properties</h3>	

9.1	Density	1.006 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; pink
9.8	Odour	Citrus fruits
9.9	Solubility	
9.10	pH	11
9.11	Viscosity	
9.12	Other information	VOC (%): 0.2


### 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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<h3>Section 12. Ecological information</h3>	

12.1	<p>Environmental stability</p> <p>This product doesn't contain any persistent substances in a concentration of &gt; 0.01 %.</p> <p>The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004 (Detergents Regulation)</p> <p>The surface active components used in this product are anaerobically biodegradable.</p>
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	<p>Other information:</p> <p>H290 - May be corrosive to metals</p> <p>H302 - Harmful if swallowed</p> <p>H314 - Causes severe skin burns and eye damage</p> <p>H315 - Causes skin irritation</p> <p>H317 - May cause an allergic skin reaction</p> <p>H400 - Very toxic to aquatic life</p> <p>H410 - Very toxic to aquatic life with long lasting effects</p> <p>H226 - Flammable liquid and vapor</p> <p>H318 - Causes serious eye damage</p>
16.2	Terms & definitions: Please refer to last page.
16.3	<p>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.</p>
16.4	Prepared for:
16.5	<p>Company full address:</p> <p>ECOVER CO-ORDINATION CENTER</p> <p>Steenovenstraat 1A</p> <p>2390 Malle Belgium</p>



## 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

<b>CAS No.</b>	Chemical abstract service number
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#### Exposure limits in the air

<b>ACGIH</b>	American conference on governmental industrial hygienists
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<b>TLV</b>	Threshold limit value
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<b>OSHA</b>	U.S occupational safety and health administration
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<b>PEL</b>	Permissible exposure limit
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<b>IDLH</b>	Immediately dangerous to life and health
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#### Frist Aid measures

<b>CPR</b>	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.
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#### Hazardous materials identification systems: HMISH













Health, Flammability & reactivity ratings

0	Minimal Hazard		Hazard rating
1	Slight Hazard	<b>HEALTH</b>	
2	Moderate Hazard	<b>FLAMMABILITY</b>	
3	Severe Hazard	<b>PHYSICAL HAZARDS</b>	
4	Extreme Hazard	Personal Protection	
<b>Personal Protection Ratings:</b>			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P for special handling directions.

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	

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

**Personal Protection ratings:**

										
Safety 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.								

<b>Flammability limits in air</b>	
<b>Auto ignition</b>	Minimum temperature required to initiate combustion in air with no other source



<b>temperature</b>	of ignition.
<b>LEL</b>	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
<b>UEL</b>	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:

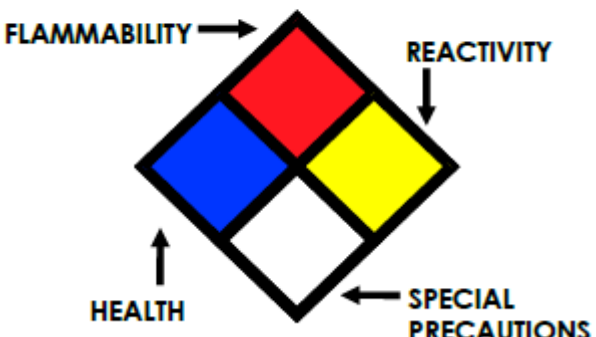
<b>NA</b>	Not available
<b>NR</b>	No results
<b>NE</b>	Not established
<b>NF</b>	Not found
<b>ND</b>	Not determined
<b>ML</b>	Maximum limit
<b>SCBA</b>	Self- contained breathing apparatus

	<h2>MATERIAL SAFETY DATA SHEET</h2>
<h3>Definitions of terms</h3>	

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

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

### Toxicological information

<b>LD 50</b>	Lethal dose (solids & liquids) which kills 50% of the exposed animals
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<b>LC 50</b>	Lethal concentration (gases) which kills 50% of the exposed animals
<b>ppm</b>	Concentration expressed in parts of material per million parts
<b>TD 10</b>	Lowest dose to cause a symptom
<b>TCLo</b>	Lowest concentration to cause a symptom
<b>TD10, LD10 &amp; LD0 or TC, TC0, LC10, &amp; LC0</b>	Lowest dose (or Concentration) to cause lethal or toxic effects
<b>IARC</b>	International agency for research on cancer
<b>NTP</b>	National toxicology program
<b>RTECS</b>	Registry of toxic effect chemical substances
<b>BCF</b>	Bio concentration factor
<b>TLm</b>	Median threshold limit
<b>Log K<sub>ow</sub> or Log K<sub>oc</sub></b>	Coefficient of oil/water distribution

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	









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

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

<b>EC Information</b>
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<b>C</b>	<b>E</b>	<b>F</b>	<b>N</b>	<b>O</b>	<b>T+</b>	<b>Xi</b>	<b>Xn</b>
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

### WHMIS Information

							
<b>A</b>	<b>B</b>	<b>C</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>E</b>	<b>F</b>
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive