



SAFETY DATA SHEET

Issue Date 21-May-2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Ecover Automatic Dishwasher Tablets

Product Code MSDS-AL

Recommended Use Consumer use
Detergent

Supplier Address

Method Products Inc.
637 Commercial St
Suite 300
San Francisco, CA 94111
866-963-8463

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance White with blue specs **Physical state** Solid. **Odor** Pleasant

Potential health effects

Acute toxicity

Eyes

Due to product's physical state, neither eye irritation nor damage is expected.

Skin

Due to product's physical state, skin damage nor irritation not expected.

Inhalation

Due to product's physical state, no inhalation hazard is expected.

Ingestion

Intentional ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

CHRONIC EFFECTS

No known effect based on information supplied

Aggravated Medical Conditions

None known

Environmental hazard

See Section 12: Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium Carbonate	497-19-8	10-30
Sodium Carbonate Peroxide	15630-89-4	10-30
Sodium Disilicate	13870-28-5	7-13
Sodium Bicarbonate	144-55-8	3-7
Sodium Polyaspartate	34345-47-6	1-5

4. FIRST AID MEASURES

General advice	If symptoms persist, call a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Skin Contact	Wash off immediately with plenty of water.
Inhalation	Remove to fresh air.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink plenty of water. Get medical attention
Note to physicians	Treat symptomatically
Self-protection of the first aider	Use personal protective equipment as required

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash Point Method	Not determined
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Explosion data

Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

Protective equipment and precautions for firefighters	Wear self contained breathing apparatus for fire fighting if necessary
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<u>NFPA</u>	Health hazards 0	Flammability 0	Stability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with eyes.
Environmental precautions	Avoid release to the environment
Methods for containment	Prevent further leakage or spillage if safe to do so

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling Avoid contact with eyes. Keep container closed when not in use.

Storage Conditions Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For Household Settings This product is safe for consumers and other users under normal and reasonably foreseen use.

For Occupational Settings Use safety goggles if splash hazards exist. Avoid prolonged contact with skin and clothing. Always follow good hygienic work practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid	Color	Off-white
Odor	Pleasant		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	10.2 - 11.2		
Melting point / freezing point			
Boiling point / boiling range			
Flash Point	Not established		
Evaporation rate	Not Applicable		Not Applicable
Flammability (solid, gas)			
Flammability Limit in Air			
Upper Flammability Limit	Not flammable		
Lower flammability limit	Not flammable		
Vapor pressure	Not Applicable		
Vapor density	Not Applicable		
Specific Gravity			
Water solubility	completely soluble		
Autoignition temperature	Not established		
Decomposition temperature	Not Applicable		
Kinematic viscosity	Not Applicable		
Dynamic viscosity	Not Applicable		
Explosive properties	No information available		
Oxidizing properties	This product contains oxidizing sodium carbonate peroxide.		
VOC Content (%)	0		
Bulk density	Not Applicable		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Incompatible materials OXIDIZERS
Acids
Ammonia

Conditions to Avoid Do not store near incompatible materials

Hazardous Decomposition Products None known based on information supplied

Hazardous polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

Eye Contact

May cause slight irritation

Skin Contact

Prolonged or repeated contact may dry skin and cause irritation

Ingestion

Moderately toxic

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate	= 4090 mg/kg (Rat)		= 2300 mg/m ³ (Rat) 2 h
Sodium Carbonate Peroxide	= 1034 mg/kg (Rat)		
Sodium Disilicate	= 1280 mg/kg (Rat)		

Chronic toxicity**Target Organ Effects**

None known

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Considering the normal use of this product, the risk of adverse environmental effects is considered small.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium citrate	18000 - 32000: 96 h Chlorella vulgaris mg/L EC50	18000 - 32000: 96 h Poecilia reticulata mg/L LC50	5600 - 10000: 48 h Daphnia magna mg/L EC50
Sodium Carbonate	242: 120 h Nitzschia mg/L EC50	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium Carbonate Peroxide	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
Sodium Disilicate		210: 96 h Brachydanio rerio mg/L LC50	1000: 24 h Daphnia magna mg/L EC50
TAED		500: 96 h Brachydanio rerio mg/L LC50 static	800: 48 h Daphnia magna mg/L EC50
Limonene (D-)		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	

Persistence and degradability

The surface active components used in this product are readily biodegradable.

13. DISPOSAL CONSIDERATIONS**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations. Recover or recycle if possible.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Carbonate	Corrosive
Sodium Carbonate Peroxide	Ignitable

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium Carbonate	Present	X		Present		Present	X	Present	X	X
Sodium Carbonate Peroxide	Present	X		Present		Present	X	Present	X	X
Sodium Disilicate	Present	X		Present		Present	X	Present	X	X
Sodium Bicarbonate	Present	X		Present		Present	X	Present	X	X
Sodium Polyaspartate							X			X
D-Glucopyranose, oligomers, decyl octyl glycosides	Present	X					X	Present	X	X
subtilisin	Present	X		Present			X	Present	X	X
Alpha Amylase Concentrate (Bacterial)	Present	X		Present			X	Present	X	X
Sodium Gluconate	Present	X		Present		Present	X	Present	X	X

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No

Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

Complies

U.S. State Right-to-Know Regulations**International Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

C - Oxidizing materials



16. OTHER INFORMATION

Issue Date	21-May-2015
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Revision Note	No information available

End of Safety Data Sheet