



SAFETY DATA SHEET

Issue Date 20-May-2015

Revision Date 26-May-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Smarty Dishwasher Tabs

Product Code MSDS-AE

Recommended Use Consumer use
Cleaning agent

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	15-40
Sodium Carbonate Peroxide	15630-89-4	7-13
Sodium Gluconate	527-07-1	7-13

Sodium Metasilicate, Pentahydrate	6834-92-0	5-10
Sodium Disilicate	13870-28-5	5-10
Methyl Oxirane Polymer with Oxirane Ethoxylated Alcohol	9003-11-6	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	Brush off loose particles from skin
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

<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	10.6 - 11.0	
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 Metasilicate, Pentahydrate	= 600 mg/kg (Rat)		
Sodium Disilicate	= 1280 mg/kg (Rat)		

Chronic toxicity

Target Organ Effects	None known
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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 Metasilicate, Pentahydrate		210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static	216: 96 h Daphnia magna 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
Magnesium Sulfate	2700: 72 h Desmodesmus subspicatus mg/L EC50	2610 - 3080: 96 h Pimephales promelas mg/L LC50 static 19000: 24 h Lepomis macrochirus mg/L LC50 static	266.4 - 417.3: 48 h Daphnia magna mg/L EC50 Static 1700: 24 h Daphnia magna mg/L EC50

13. DISPOSAL CONSIDERATIONS

Contaminated packaging	Dispose of in accordance with federal, state and local regulations. Recover or recycle if possible.
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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 Gluconate	Present	X		Present		Present	X	Present	X	X
Sodium Metasilicate, Pentahydrate	Present	X		Present		Present	X	Present	X	X
Sodium Disilicate	Present	X		Present		Present	X	Present	X	X
Methyl Oxirane Polymer with Oxirane Ethoxylated Alcohol	Present	X				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	20-May-2015
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Revision Note	No information available

End of Safety Data Sheet