# SAFETY DATA SHEET

**Issue Date** 20-May-2015 **Revision Date** 26-May-2015 **Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** **Smarty Dishwasher Plus Packettes**

**Product Code** **MSDS-AD**

**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** Powder contained in clear sachet. **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 | 5-10 |
| Sodium Metasilicate, Pentahydrate | 6834-92-0 | 3-7 |
| Sodium Disilicate | 13870-28-5 | 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** Not flammable
**Method**

**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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** | 0 | **Flammability** | 0 | **Stability** | 0 | **Physical and Chemical Properties** | - |
| **HMIS** | **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** Powder contained in clear sachet
**Odor** Pleasant **Color** Off-white

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | 10.7 - 11.3 | |
| **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

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

| 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

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Considering the limited amount applied during normal use and the size of the container, the risk of adverse environmental effects is considered small.

| 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 |

**Persistence and degradability** The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004 (Detergents Regulation).

## 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

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO (air)** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** 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 |

**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** | No |
| **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 |
| **Revision Date** | 26-May-2015 |
| **Revision Note** | No information available |

**End of Safety Data Sheet**