

Issuing Date 06-Jun-2019

Revision Date 06-Jun-2019

Revision Number 2

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product Name** Ecoworks™ Cleaning Agent Pouch A**Other means of identification****Product Code(s)** SDS-000015 EN A**PN (Part Number)** 300-00103**UN/ID no.** UN3077**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Additive manufacturing**Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier Address**Stratasys Corporate headquarters United States  
9600 West 76th Street Suite #108  
Eden Prairie, MN 55344  
United States  
Local: +1 952-294-3900  
Phone: +1 952-937-3000**Manufacturer Address**

Multi-Pack Solution 1804 W. Central Road Mount Prospect, IL 60056

**Emergency telephone number****Emergency Telephone** +1 215 207 0061 - Americas - Multi lingual response**E-mail address** info@Stratasys.com**2. HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|   |            |
|---|------------|
| Acute toxicity - Oral                     | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation         | Category 1 |

**Label elements****Danger****Hazard statements**

Harmful if swallowed

Harmful if inhaled  
Causes serious eye damage



**Appearance** tablet

**Physical state** Solid (compressed)

**Odor** None

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wear eye protection/ face protection

#### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
Rinse mouth

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

May be harmful in contact with skin. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

**Unknown acute toxicity** 3.1399 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

| Chemical name       | CAS No.    | Weight-% | Proprietary |
|---------------------|------------|----------|-------------|
| Sodium percarbonate | 15630-89-4 | 50 - 70  | *           |
| Sodium carbonate    | 497-19-8   | 10 - 30  | *           |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. |
| <b>Skin contact</b> | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>    | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.  |

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Explosion data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| <b>Other Information</b>    | Refer to protective measures listed in Sections 7 and 8.                                  |

**Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|---|

**Methods and material for containment and cleaning up**

|  |  |
|--|--|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                |
| <b>Methods for cleaning up</b>         | Pick up and transfer to properly labeled containers.                                 |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Hand Protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Solid (compressed)  
**Appearance** tablet  
**Odor** None  
**Color** White  
**Odor threshold** No information available

| <u>Property</u>                | <u>Values</u>     | <u>Remarks • Method</u> |
|--------------------------------|-------------------|-------------------------|
| pH                             | 10.35             |                         |
| Melting point / freezing point | No data available | None known              |
| Boiling point / boiling range  | No data available | None known              |
| Flash point                    | No data available | None known              |
| Evaporation rate               | No data available | None known              |
| Flammability (solid, gas)      | No data available | None known              |

|                                     |                          |            |
|-------------------------------------|--------------------------|------------|
| <b>Flammability Limit in Air</b>    |                          | None known |
| Upper flammability limit:           | No data available        |            |
| Lower flammability limit:           | No data available        |            |
| <b>Vapor pressure</b>               | No data available        | None known |
| <b>Vapor density</b>                | No data available        | None known |
| <b>Relative density</b>             | 1.02-1.18                | None known |
| <b>Water solubility</b>             | No data available        | None known |
| <b>Solubility in other solvents</b> | No data available        | None known |
| <b>Partition coefficient</b>        | No data available        | None known |
| <b>Autoignition temperature</b>     | No data available        | None known |
| <b>Decomposition temperature</b>    | No data available        | None known |
| <b>Kinematic viscosity</b>          | No data available        | None known |
| <b>Dynamic viscosity</b>            | No data available        | None known |
| <b>Explosive properties</b>         | No information available |            |
| <b>Oxidizing properties</b>         | No information available |            |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | negligible               |
| <b>Liquid Density</b>   | No information available |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | None known based on information supplied. |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.  |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available.  |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components). |

**Information on toxicological effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Redness. Burning. May cause blindness. |
|-----------------|--|

**Numerical measures of toxicity****Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

|                               |                |
|-------------------------------|----------------|
| ATEmix (oral)                 | 1,544.00 mg/kg |
| ATEmix (dermal)               | 3,512.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 4.11 mg/l      |

Unknown acute toxicity 3.1399 % of the mixture consists of ingredient(s) of unknown toxicity

#### Component Information

| Chemical name                     | Oral LD50                            | Dermal LD50             | Inhalation LC50                      |
|-----------------------------------|--------------------------------------|-------------------------|--------------------------------------|
| Sodium percarbonate<br>15630-89-4 | = 1034 mg/kg<br>= 1034 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | -                                    |
| Sodium carbonate<br>497-19-8      | = 4090 mg/kg ( Rat )                 | -                       | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity            | No information available. |
| Carcinogenicity                   | No information available. |
| Reproductive toxicity             | No information available. |
| STOT - single exposure            | No information available. |
| STOT - repeated exposure          | No information available. |
| Aspiration hazard                 | No information available. |

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

| Chemical name                     | Algae/aquatic plants                    | Fish   | Toxicity to microorganisms | Crustacea                         |
|-----------------------------------|---|--|----------------------------|-----------------------------------|
| Sodium percarbonate<br>15630-89-4 | 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 carbonate<br>497-19-8      | 242: 120 h Nitzschia mg/L EC50          | 300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static | -                          | 265: 48 h Daphnia magna mg/L EC50 |

|                               |                           |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |
| Bioaccumulation               | No information available. |
| Other adverse effects         | No information available. |

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

**California Hazardous Waste Status** 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 percarbonate<br>15630-89-4 | Ignitable                         |
| Sodium carbonate<br>497-19-8      | Corrosive                         |

**14. TRANSPORT INFORMATION**

**Additional information** The environmentally hazardous substance mark is not required when transported in sizes of ≤5L or ≤5kg. The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5kg.

**DOT**

**UN/ID no.** UN3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Hazard Class** 9  
**Packing group** III  
**Special Provisions** 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33, 8  
**Description** UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III, Marine pollutant  
**Emergency Response Guide Number** 171

**TDG**

**UN/ID no.** UN3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Hazard Class** 9  
**Packing group** III  
**Description** UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III

**MEX**

**UN/ID no.** UN3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Hazard Class** 9  
**Special Provisions** 274, 331, 335  
**Packing group** III  
**Description** UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III

**ICAO (air)**

**UN/ID no.** UN3077  
**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Hazard Class** 9  
**Packing group** III  
**Special Provisions** A158, A97, A179, A197  
**Description** UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III

**IATA**

|                                   |  |
|-----------------------------------|--|
| <b>UN Number</b>                  | UN3077   |
| <b>UN proper shipping name</b>    | Environmentally hazardous substance, solid, n.o.s.                                       |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>ERG Code</b>                   | 9L   |
| <b>Description</b>                | UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium percarbonate), 9, III |

**IMDG**

|                                   |  |
|-----------------------------------|--|
| <b>UN Number</b>                  | UN3077   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.   |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>EmS-No.</b>                    | F-A, S-F   |
| <b>Special Provisions</b>         | 274, 335, 966, 967, 969  |
| <b>Description</b>                | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III, Marine pollutant |

**RID**

|                                   |  |
|-----------------------------------|--|
| <b>UN Number</b>                  | UN3077   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                       |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>Classification code</b>        | M7   |
| <b>Description</b>                | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III |
| <b>Labels</b>                     | 9  |

**ADR**

|                                   |  |
|-----------------------------------|--|
| <b>UN Number</b>                  | UN3077   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                       |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>Classification code</b>        | M7   |
| <b>Tunnel restriction code</b>    | (E)  |
| <b>Special Provisions</b>         | 274, 335, 601, 375   |
| <b>Description</b>                | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III |
| <b>Labels</b>                     | 9  |

**ADN**

|                                   |  |
|-----------------------------------|--|
| <b>UN/ID no</b>                   | UN3077   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                       |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Packing group</b>              | III  |
| <b>Classification code</b>        | M7   |
| <b>Special Provisions</b>         | 274, 335, 601  |
| <b>Description</b>                | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium percarbonate), 9, III |
| <b>Hazard label(s)</b>            | 9  |
| <b>Limited quantity (LQ)</b>      | 5 kg   |

**15. REGULATORY INFORMATION**



**International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**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**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | 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**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****US State Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 3 | Flammability 0 | Instability 0      | Physical and chemical properties - |
| <u>HMIS</u> | Health hazards 3 | Flammability 0 | Physical hazards 0 | Personal protection X              |

Issuing Date 05-Nov-2015

Revision Date 06-Jun-2019

Revision Note No information available.

**Disclaimer**

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**End of Safety Data Sheet**