



# Material Safety Data Sheet

Issuing date 18-Oct-2011

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Super Break Plus  
**Product code** 42094-5  
**Reference number(s)** 42094-15 / 42094-55  
**Recommended Use** Laundry Builder/Breaker

**Distributor**  
Swisher Hygiene Inc.  
4725 Piedmont Row Drive,  
Suite 400,  
Charlotte, NC 28210

**Chemical Emergency Phone Number** 800-424-9300 (Chemtrec)

**Company Emergency Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Mists & vapors are irritating to the eyes & skin and exposure can cause severe burns.

**Appearance** Free flowing liquid      **Physical state** liquid.      **Odor** Characteristic

### Potential Health Effects

#### Acute toxicity

**Eyes** Irritating to eyes  
**Skin** Irritating to skin  
**Inhalation** No known effect based on information supplied  
**Ingestion** Severe burns.

**Chronic Effects** No known effect based on information supplied

**Aggravated Medical Conditions** None known.

**Environmental hazard** See Section 12 for additional Ecological Information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name           | CAS-No        | Weight % |
|-------------------------|---------------|----------|
| New Jersey Trade Secret | 39210900-5247 | > 5      |
| New Jersey Trade Secret | 39210900-5248 | > 30     |

|                   |         |     |
|-------------------|---------|-----|
| Isopropyl alcohol | 67-63-0 | < 2 |
|-------------------|---------|-----|

#### 4. FIRST AID MEASURES

|                           |  |
|---------------------------|--|
| <b>Eye contact</b>        | Flush eyes with cool water for 15-30 minutes and get immediate medical attention.  |
| <b>Skin contact</b>       | Wash with water for 15 minutes. See physician if irritation persists Remove and wash contaminated clothing before re-use   |
| <b>Inhalation</b>         | Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.  |
| <b>Ingestion</b>          | If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| <b>Notes to physician</b> | Treat symptomatically  |

#### 5. FIRE-FIGHTING MEASURES

|  |  |                       |                          |  |
|--|--|-----------------------|--------------------------|--|
| <b>Flammable Properties</b>                                  | Not flammable  |                       |                          |  |
| <b>Flash point</b>   | N/A  |                       |                          |  |
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment   |                       |                          |  |
| <b>Hazardous Combustion Products</b>                         | Chlorine gas & related toxic gases   |                       |                          |  |
| <b>Explosion Data</b>  |  |                       |                          |  |
| <b>Sensitivity to Mechanical Impact</b>                      | none   |                       |                          |  |
| <b>Sensitivity to Static Discharge</b>                       | none   |                       |                          |  |
| <b>Specific hazards arising from the chemical</b>            | Use NIOSH certified gas mask with canister for Chlorine. If possible, remove material to open air and flood with water.                                |                       |                          |  |
| <b>Protective Equipment and Precautions for Firefighters</b> | Not considered flammable Protect from irritating mists and corrosive solutions with pressure demand, self-contained respirator and protective clothing |                       |                          |  |
| <b>NFPA</b>  | <b>Health Hazard</b> 0   | <b>Flammability</b> 0 | <b>Stability</b> 0       | <b>Physical and chemical hazards</b> - |
| <b>HMIS</b>  | <b>Health Hazard</b> 0   | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal protection</b> -           |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Ensure adequate ventilation   |
| <b>Environmental precautions</b> | Try to prevent the material from entering drains or water courses   |
| <b>Methods for Containment</b>   | Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Spills may be slippery.   |
| <b>Methods for cleaning up</b>   | Dispose of in accordance with all applicable federal, state and local regulations. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. |

#### 7. HANDLING AND STORAGE

**Advice on safe handling** KEEP OUT OF REACH OF CHILDREN Do not take internally. Avoid contamination of food. For industrial use only. Do not mix with anything but water. Avoid strong oxidizing agents, acids, aluminum and other soft metals

**Technical measures/Storage conditions** Store at room temperature Keep from freezing Keep container closed when not in use Use with adequate ventilation

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name                | ACGIH TLV                     | OSHA PEL                                | NIOSH IDLH  |
|------------------------------|-------------------------------|---|---|
| Isopropyl alcohol<br>67-63-0 | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup> |

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### **Personal Protective Equipment Institutional Environment**

**Eye/Face Protection** Safety glasses are suggested when using this product in heavy use and institutional environments.

**Consumer Environments** Care should be taken to avoid Eye contact.

**Skin and body protection** Rubber gloves

**Respiratory protection** Unnecessary in open institutional environment.

**Hygiene measures** Practice good personal hygiene. Wash after handling.

### **Personal Protective Equipment Industrial Environment**

**Eye/Face Protection** Splash-proof chemical goggles or face shield.

**Skin and body protection** Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Practice good personal hygiene. Wash after handling. Shower at end of work period  
Practice good personal hygiene. Wash after handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **9.1 Information on basic physical and chemical properties**

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                   | <b>Odor</b>           | Characteristic           |
| <b>Appearance</b>     | Free flowing liquid      | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <b>Property</b>                    | <b>Values</b> | <b>Remarks Methods</b>   |
|------------------------------------|---------------|--------------------------|
| <b>pH</b>                          | 6.8           | No information available |
| <b>Melting/freezing point</b>      |               | No information available |
| <b>Freezing Point</b>              |               | No information available |
| <b>Boiling point/boiling range</b> | 211 °F        | No information available |
| <b>Flash Point</b>                 |               | No information available |
| <b>Evaporation rate</b>            |               | No information available |
| <b>Flammability (solid, gas)</b>   |               | No information available |
| <b>Flammability Limits in Air</b>  |               | No information available |
| upper flammability limit           |               |                          |
| lower flammability limit           |               |                          |

**Explosion Limits**

upper  
lower

|  |                          |                          |
|--|--------------------------|--------------------------|
| Vapor pressure                         |                          | No information available |
| Vapor density                          |                          | No information available |
| Specific Gravity                       | 1.012                    | No information available |
| Water solubility                       |                          | No information available |
| Solubility in other solvents           |                          | No information available |
| Partition coefficient: n-octanol/water |                          | No information available |
| Autoignition temperature               |                          | No information available |
| Decomposition temperature              |                          | No information available |
| Viscosity, kinematic                   |                          | No information available |
| Viscosity, dynamic                     |                          | No information available |
| Explosive properties                   | No information available |                          |
| Oxidizing Properties                   | No information available |                          |

**9.2 Other information**

|                    |                          |
|--------------------|--------------------------|
| Softening point    | No information available |
| Molecular Weight   | No information available |
| VOC Content(%)     | No information available |
| Density VALUE      | No information available |
| Bulk Density VALUE | No information available |

**10. STABILITY AND REACTIVITY**

|                                  |   |
|----------------------------------|---|
| Stability                        | Stable  |
| Incompatible products            | Strong oxidizing agents, acids, aluminum and other soft metals. |
| Conditions to Avoid              | Extreme heat. Keep out of sunlight.                             |
| Hazardous Decomposition Products | Chlorine gas & related toxic gases                              |
| 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.

| Chemical Name     | LD50 Oral          | LD50 Dermal                                | LC50 Inhalation       |
|-------------------|--------------------|--|-----------------------|
| Isopropyl alcohol | 4396 mg/kg ( Rat ) | 12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit ) | 72.6 mg/L ( Rat ) 4 h |

**Chronic toxicity**

| Chemical Name     | ACGIH | IARC               | NTP | OSHA |
|-------------------|-------|--------------------|-----|------|
| Isopropyl alcohol |       | Group 1<br>Group 3 |     | X    |

**Target Organ Effects** None known.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated

| Chemical Name     | Toxicity to algae  | Toxicity to fish   | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|-------------------|--|--|----------------------------|---|
| Isopropyl alcohol | 1000: 72 h Desmodesmus subspicatus mg/L EC50<br>1000: 96 h Desmodesmus subspicatus mg/L EC50 | 11130: 96 h Pimephales promelas mg/L LC50 static<br>9640: 96 h Pimephales promelas mg/L LC50 flow-through<br>1400000: 96 h Lepomis macrochirus µg/L LC50 |                            | 13299: 48 h Daphnia magna mg/L EC50                 |

| Chemical Name     | log Pow |
|-------------------|---------|
| Isopropyl alcohol | 0.05    |

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

**Contaminated packaging**

Do not re-use empty containers

| Chemical Name     | California Hazardous Waste Status |
|-------------------|-----------------------------------|
| Isopropyl alcohol | Toxic Ignitable                   |

### 14. TRANSPORT INFORMATION

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Note</b>                 | Compound, Cleaning Liquid, NOS |
| <b>Dot</b>                  | Not regulated                  |
| <b>Proper shipping name</b> | Compound, Cleaning Liquid, NOS |
| <b>TDG</b>                  | Not regulated                  |
| <b>MEX</b>                  | Not regulated                  |
| <b>ICAO</b>                 | Not regulated                  |
| <b>ICAO/IATA</b>            | Not regulated                  |
| <b>IMDG / IMO</b>           | Not regulated                  |
| <b>RID</b>                  | Not regulated                  |
| <b>ADR/RID</b>              | Not regulated                  |
| <b>ADN</b>                  | Not regulated                  |

### 15. REGULATORY INFORMATION

**International Inventories**

|      |      |
|------|------|
| TSCA | TSCA |
| DSL  | -    |

|        |          |
|--------|----------|
| NDSL   | Complies |
| EINECS | -        |
| ELINCS | -        |
| ENCS   | -        |
| IECSC  | -        |
| KECL   | -        |
| PICCS  | -        |
| AICS   | -        |

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 Commercial Chemical Substances/EU 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

## U.S. 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 |

### 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.

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

## International Regulations

| Chemical Name     | Carcinogen Status | Exposure Limits   |
|-------------------|-------------------|---|
| Isopropyl alcohol |                   | Mexico: TWA 400 ppm Mexico: TWA 980 mg/m <sup>3</sup><br>Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m <sup>3</sup> |

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**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.

| Chemical Name     | NPRI |
|-------------------|------|
| Isopropyl alcohol | X    |

**16. OTHER INFORMATION**

**Prepared By** Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210

**Issuing date** 18-Oct-2011  
**Revision Date** 18-Oct-2011  
**Revision Note** No information available

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

**End of Material Safety Data Sheet**