



SAFETY DATA SHEET

Issuing date 03-Nov-2011

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Version 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Swisher Select HD Green Pot & Pan Detergent

Other means of identification

Product Code 40361-1

Document 40361-1/ 40361-5/ 40361-15/ 40361-55

Recommended use of the chemical and restrictions on use

Recommended use Heavy Duty Pot & Pan Detergent

Details of the supplier of the safety data sheet

Distributor

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

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC: 1-800-424-9300 (NORTH AMERICA)
1-703-527-3887 (INTERNATIONAL)

Company Phone Number 800-444-4138

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Emergency Overview

Warning

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use

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

Appearance Transparent

Physical state Liquid

Odor Lemon

Precautionary Statements - Prevention

- Do not handle until all safety precautions have been read and understood

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to approved disposal facility

Hazards not otherwise classified (HNOC)**Other information**

- May be harmful if swallowed
 - Harmful to aquatic life with long lasting effects
- Unknown Acute Toxicity 4.1535% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

4. FIRST AID MEASURES**First aid measures for different exposure routes**

| | |
|-----------------------|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Eye contact | Flush with flowing water for 15 minutes & see physician. |
| Skin contact | Wash with water for 15 minutes. See physician if irritation persists. |
| Inhalation | Move to fresh air. If irritation persists, see a physician. |
| Ingestion | Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately. |

Most important symptoms/effects, acute and delayed

| | |
|----------------------|---|
| Main Symptoms | The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11. |
|----------------------|---|

Indication of immediate medical attention and special treatment needed, if necessary

| | |
|---------------------------|------------------------|
| Notes to physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

Hazardous Combustion Products

If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrogen oxides.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

Avoid exposure to fumes or vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Mop up & flush to sanitary sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

Incompatible products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.
NIOSH IDLH: *Immediately Dangerous to Life or Health*

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation and that running water is available for washing eyes and skin
Individual protection measures, such as personal protective equipment

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 Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

| | | | |
|-----------------------|-------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Lemon |
| Appearance | Transparent | Odor Threshold | No information available |
| Color | Green | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|---|--------------------------|---------------------------------|
| pH | 7.5 | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | 100 °C / 212 °F | |
| Flash Point | No information available | |
| Evaporation rate | GT 1.00 | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limit | No information available | |
| Lower flammability limit | No information available | |
| Vapor pressure | 17 | |
| Vapor density | 0.62 | |
| Specific Gravity | 1.006 | |
| Water solubility | Completely Soluble | |
| 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 | |

Other information

| | |
|---------------------------|--------------------------|
| Softening point | No information available |
| Molecular Weight | No information available |
| VOC Content(%) | < 1% |
| Density VALUE | 8.46 |
| Bulk Density VALUE | No information available |

10. STABILITY AND REACTIVITY

Chemical stability

Stable.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | May be harmful if swallowed or if inhaled |
| Inhalation | Inhalation of vapors in high concentration may cause irritation of the respiratory system. |
| Eye contact | Irritating to eyes. |
| Skin contact | Irritating to skin. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Information on toxicological effects

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

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

| | |
|--------------------------|--|
| Sensitization | No information available. |
| Mutagenic effects | No information available. |
| Carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

| | |
|---------------------------------|---------------------------|
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic toxicity | No known effect. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 4.1535% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|-------------------------------|-------------|
| ATEmix (oral) | 4583 mg/kg |
| ATEmix (dermal) | 53704 mg/kg |
| ATEmix (inhalation-dust/mist) | 90.4 mg/l |

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT. Alkylbenzenesulphonates.

Ecotoxicity

6.2735% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

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

14. TRANSPORT INFORMATION

| | |
|-----------------------------|---|
| DOT | Not regulated |
| Proper shipping name | Cleaning Compound, Not Regulated |
| Marine Pollutant | This product contains a chemical which is listed as a marine pollutant according to DOT. Alkylbenzenesulphonates. |

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|---|
| TSCA | - |
| DSL/NDL | - |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | - |
| KECL | - |

PICCS -
AICS - Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDL - 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 | Yes |
| 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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations**California Proposition 65**

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

| 16. OTHER INFORMATION | | | | |
|-----------------------|---|----------------|--------------------|---------------------------------|
| <u>NFPA</u> | Health Hazards 1 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| <u>HMIS</u> | Health hazard 1 | Flammability 0 | Physical Hazards 0 | Personal protection A |
| Prepared By | Swisher Hygiene Inc. 4725 Piedmont Row Drive Suite 400 Charlotte, NC 28210 | | | |
| Issuing date | 03-Nov-2011 | | | |
| Revision Date | 09-May-2014 | | | |
| Revision Note | No information available | | | |

Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet