

Material Safety Data Sheet

Issuing date 13-Oct-2011 Revision Date 13-Oct-2011 Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Select Grill/Oven Majic

Product code 41749-32OZ Reference number(s) 41749-3

UN/ID No UN1760

Recommended Use Oven & Grill Cleaner

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

This product contains substances which at their given concentration, are considered to be hazardous to health.

Appearance Opalesant Physical state liquid. Odor Lemon

Potential Health Effects

Acute toxicity

EyesSevere Burns.SkinCauses burns

Inhalation Inhalation of mists can cause irritation to the nose, throat & respiratory tract.

Ingestion Causes 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 product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name CAS-No Weight % |
|-------------------------------|
|-------------------------------|

| Sodium hydroxide | 1310-73-2 | < 8 |
|---------------------|-----------|-----|
| Sodium metasilicate | 6834-92-0 | < 5 |

4. FIRST AID MEASURES

Eye contact Flush with large amounts of cool running water for at least 15 minutes while holding upper

and lower lids open. If irritation persists get medical attention immediately.

Skin contact Flush with flowing water for 15 minutes. See physician if irritation persists.

Inhalation Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get

medical help.

Ingestion Drink large amounts of water, DO NOT INDUCE VOMITING. Consult physician immediately

for additional advice and treatment

Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Flash point none

surrounding environment

Explosion Data

Sensitivity to Mechanical Impact none Sensitivity to Static Discharge none

Protective Equipment and

Precautions for Firefighters

Vapors are irritating. Self contained breathing apparatus (SCBA) should be worn.

NFPA Health Hazard 2 Flammability 0 Stability 0 Physical and chemical

hazards -

HMIS Health Hazard 2 Flammability 0 Physical Hazard 0 Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation

Environmental precautionsTry to prevent the material from entering drains or water courses

Methods for Containment Transfer contaminated absorbent, soil and other materials to containers for disposal

Methods for cleaning up

Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills

should be recovered for disposal Absorb on sand or other absorbent

7. HANDLING AND STORAGE

Advice on safe handling KEEP OUT OF REACH OF CHILDREN Empty containers may contain product residue.

All safety precautions taken when handling this product should also be taken when handling

empty drums and containers Keep container closed when not in use

Technical measures/Storage conditions

Store in a cool, dry area away from combustibles and reactive chemicals. Store away from

sources of ignition. Do not store at temperatures above 120 ° F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Physical state

Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------|-----------|--------------------------|--|
| Sodium hydroxide 1310-73-2 | | TWA: 2 mg/m ³ | IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³ |
| Sodium metasilicate 6834-92-0 | | 2mg/m³ | |

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.

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

Skin and body protection Rubber gloves

Respiratory protection Unnecessary in open institutional enviroment.

Hygiene measures Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

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

liquid

Impervious rubber, alkali-proof protecetive gloves Impervious rubber boots & apron. Skin and body protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved Respiratory protection

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.

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

Practice good personal hygiene. Wash after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Opalesant Lemon **Appearance** Odor

Color Opalesant **Odor Threshold** No information available

Property Values Remarks Methods 12.8-13.5 No information available

Melting/freezing point

No information available Freezing point **Freezing Point** 32 (°F) DEĞREES

No information available **Boiling point/boiling** 212 °F

> range **Flash Point**

No information available No information available **Evaporation rate** Same as water Flammability (solid,

No information available Flammability Limits in

No information available upper flammability

limit

lower flammability

limit

Explosion Limits

upper lower

Vapor pressure Vapor density

Specific Gravity

Water solubility completely soluble

1.07-1.10

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

Viscosity, dynamic

Explosive properties No information available Oxidizing Properties No information available

9.2 Other information

Same as water

Same as water

No information available

No information available

Softening pointNo information availableMolecular WeightNo information availableVOC Content(%)No information availableDensity VALUENo information availableBulk Density VALUENo information available

10. STABILITY AND REACTIVITY

Stability Stable

Incompatible products Acids, Amphoteric metals (such as Aluminum)

Conditions to Avoid None known based on information supplied

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.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------|-----------------|---------------------|-----------------|
| Sodium hydroxide | | 1350 mg/kg (Rabbit) | |
| Sodium metasilicate | 600 mg/kg (Rat) | | |

Chronic toxicity

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 |
|---------------------|-------------------|--|----------------------------|---|
| Sodium hydroxide | | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static | | |
| Sodium metasilicate | | 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 |

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 |
|------------------|-----------------------------------|
| Sodium hydroxide | Toxic Corrosive |

14. TRANSPORT INFORMATION

Note Corrosive Liquids N.O S, (Contains Sodium Hydroxide & Sodium Metasilicate), 8, UN1760,

PGIII

Dot Regulated

Proper shipping name Corrosive Liquids N.O S, (Contains Sodium Hydroxide & Sodium Metasilicate), 8, UN1760,

PGIII

Hazard class 8
UN/ID No UN1760
Packing Group III

TDG Not regulated

MEX Not regulated

ICAO Not regulated

ICAO/IATA Not regulated

IMDG / IMO Not regulated

RID Not regulated

ADR/RID Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA TSCA DSL Complies **NDSL** Complies **EINECS** Complies **ELINCS ENCS** Complies **IECSC** Complies Complies **KECL** Complies **PICCS** Complies **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 | i 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).

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------|--------------------------------|------------------------|---------------------------|-------------------------------|
| Sodium hydroxide | 1000 lb | | | Χ |

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.

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|------------------|--------------------------|------------------------------------|---|
| Sodium hydroxide | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

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

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.

16. OTHER INFORMATION

Prepared By Swisher Hygiene Inc.

4725 Piedmont Row Drive

Suite 400

Charlotte, NC 28210

Issuing date 13-Oct-2011 **Revision Date** 13-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