



Material Safety Data Sheet

Issuing date 10-Nov-2011

Revision Date 10-Nov-2011

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Marble & Granite Cleaner
Product code 41816
Recommended Use Aerosol-Marble & Granite 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

FLAMMABLE

Aerosol. CONTENTS UNDER PRESSURE

Harmful in contact with eyes

Pressurized container may explode when exposed to heat or flame

Appearance Compressed liquefied gas. **Physical state** liquid. **Odor** Solvent

Potential Health Effects

Acute toxicity

Eyes

Contact may irritate or burn eyes. Eye contact may result in corneal injury.

Skin

prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation

Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

Ingestion

Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

Chronic Effects

May cause delayed lung damage.

Aggravated Medical Conditions

Discomfort in the chest. Corneal damage. Coughing. Skin irritation.

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 %
Calcined flint clay	66402-68-4	5-8
Propane	74-98-6	20-30
Mineral Spirits (Rule 66)	8052-41-3	10-15

4. FIRST AID MEASURES

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact	Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Ingestion	Rinse mouth. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Notes to physician	Symptoms may be delayed

5. FIRE-FIGHTING MEASURES

Flammable Properties	FLAMMABLE
Flash point	Flash point -156 °F -104.4 °C
Suitable Extinguishing Media	Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.
Hazardous Combustion Products	May include Nitrous Oxide.
Explosion Data	
Sensitivity to Mechanical Impact	none
Sensitivity to Static Discharge	none
Specific hazards arising from the chemical	Do not use a solid water stream as it may scatter and spread fire.
Protective Equipment and Precautions for Firefighters	In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, precautions for firefighters including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from the area and let fire burn. Cool containers with flooding quantities of water until well after fire is out.
NFPA	Health Hazard 0 Flammability 0 Stability 0 Physical and chemical hazards -
HMIS	Health Hazard 1 Flammability 4 Physical Hazard 0 Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.
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Environmental precautions	Try to prevent the material from entering drains or water courses
Methods for Containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift.
Methods for cleaning up	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

7. HANDLING AND STORAGE

Advice on safe handling	Pressurized container: Do not pierce or burn, even after use. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid contact with skin. Avoid prolonged exposure.
Technical measures/Storage conditions	Level 3 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage. Level 3 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcined flint clay 66402-68-4	STEL: 10 mg/m ³ Zr TWA: 5 mg/m ³ Zr TWA: 0.2 mg/m ³ Mn	TWA: 5 mg/m ³ Zr	IDLH: 25 mg/m ³ Zr TWA: 5 mg/m ³ except Zirconium tetrachloride Zr STEL: 10 mg/m ³ Zr
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Mineral Spirits (Rule 66) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³

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

Physical state	liquid	Odor	Solvent
Appearance	Compressed liquefied gas.	Odor Threshold	No information available
Color	Pale yellow		
Property	Values	Remarks	Methods
pH		No information available	
Melting/freezing point		No information available	
Freezing Point		No information available	
Boiling point/boiling range	46.1 °C 114.8 °F	No information available	
Flash Point	-104.4 °C -156 °F	No information available	
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air		No information available	
upper flammability limit			
lower flammability limit			
Explosion Limits			
upper			
lower			
Vapor pressure	89-99	No information available	
Vapor density		No information available	
Specific Gravity	0.7197	No information available	
Water solubility	negligible	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			
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	Risk of ignition. Stable at normal conditions.
Incompatible products	Water. Reacts violently with oxidizer. Will ignite itself if exposed to air.
Conditions to Avoid	Heat, flames and sparks
Hazardous Decomposition Products	May include Nitrous Oxide.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information

Contact may irritate or burns eyes. Components of the product may be absorbed into the body through the skin. Kidney injury may occur. Symptoms may be delayed.

LD50 Oral: 71429 mg/kg estimated, Rat, Oral
LD50 Dermal: 42857 mg/kg estimated, Rat, Dermal

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propane			658 mg/L (Rat) 4 h

Chronic toxicity

Chronic toxicity

May cause delayed lung damage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Calcined flint clay		Group 2B		X

OSHA: (Occupational Safety & Health Administration)

Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components of this product have been identified as having potential environmental concerns LC50 85.71 mg/L estimated, Fish, 96.00 Hours,

IC50 67143 mg/L estimated, Algae, 72.00 hours,

Components of this product have been identified as having potential environmental concerns

Chemical Name	log Pow
Propane	2.3

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Consult authorities before disposal. Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

Contaminated packaging

Do not re-use empty containers

US EPA Waste Number

D001: Waste Flammable material with a flash point <140 F

14. TRANSPORT INFORMATION

Note

Consumer Commodity, ORM-D

Dot	Regulated
Proper shipping name	Consumer Commodity, ORM-D
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
KECL	Complies
PICCS	Complies
AICS	Complies

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	Yes
Sudden Release of Pressure Hazard	Yes
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

_Aluminum silicate: 1000.0000

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

_This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. - Pennsylvania - RTK (Right to Know) List

Aluminum silicate - 6402-68-4- Environmental hazard

Mineral spirits - 8052-41-3 -Present

Propane - 74-98-6 - Present

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Calcined flint clay		Mexico: TWA 5 mg/m ³ Mexico: TWA 0.2 mg/m ³ Mexico: STEL 10 mg/m ³
Mineral Spirits (Rule 66)		Mexico: TWA 100 ppm Mexico: TWA 523 mg/m ³ Mexico: STEL 200 ppm Mexico: STEL 1050 mg/m ³

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	10-Nov-2011
Revision Date	10-Nov-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