



Safety Data Sheet

Issuing date 30-Nov-2012

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name SteamWay Mist & Brush Ultra Strong

Swisher number 1135
Reference number 1135CG1-4
Distributor number

Recommended use Carpet Shampoo

Distributor Steam Way International, LLC
1625 KDC Lane - PO Box 514
Jackson, WY 83001

Company Emergency Phone Number 773-284-6565

Chemical Emergency Phone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

WARNING

Emergency Overview

May be harmful if swallowed, inhaled, or absorbed through skin
Causes eye and skin irritation

Appearance Clear Liquid

Physical state Liquid.

Odor Floral

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

Potential Health Effects

Principle Routes of Exposure Ingestion, Inhalation, Eye Contact, Skin Contact

Acute toxicity

Eyes

Irritating to eyes

Skin

May be irritating to skin

Inhalation

Inhalation of fumes may cause headache, dizziness or nausea.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea May cause additional affects as listed under "Inhalation"

Chronic Effects

No known effect

Aggravated Medical Conditions Pre-existing eye, skin and respiratory disorders.

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 %
Isopropyl alcohol	67-63-0	< 5%

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Flush with water for 10-15 minutes
Skin contact	Wash with water for 10-15 minutes. Remove contaminated clothing. Consult a physician.
Inhalation	Remove to fresh air. If qualified give oxygen or artificial respiration as needed and/or seek medical help.
Ingestion	Get medical attention Give large amounts of water to dilute contents in stomach
Notes to physician	Treat symptomatically
Protection of First-aiders	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. FIRE-FIGHTING MEASURES

Flammable Properties	Contains flammable substances dissolved in water in low concentrations.			
Flash point	> 110 °F / > 43 °C			
Method	TCC			
Suitable Extinguishing Media	Carbon dioxide (CO ₂) Dry chemical Alcohol-resistant foam			
Unsuitable Extinguishing Media	This product contain alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead.			
Explosion Data				
Sensitivity to Mechanical Impact	None.			
Sensitivity to Static Discharge	None.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
NFPA	Health Hazard 1	Flammability 2	Stability 0	Physical and chemical hazards -
HMIS	Health Hazard 1	Flammability 2	Physical Hazard 0	Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation Use personal protective equipment ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.
Methods for Containment	Prevent further leakage or spillage if safe to do so

Methods for cleaning up Contain spill. Mop up. Rinse residue with water.

7. HANDLING AND STORAGE

Advice on safe handling KEEP OUT OF REACH OF CHILDREN Wash thoroughly after handling Store away from sources of ignition

Technical measures/Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

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

Engineering Measures Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location

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 Rubber gloves

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

9.1 Information on basic physical and chemical properties

Physical state	Liquid	Odor	Floral
Appearance	Clear Liquid		
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Methods</u>
pH	8.5 +/- 0.5		
Melting/freezing point		No data available	
Freezing Point		No data available	
Boiling point/boiling range	Approx. 100 °C / Approx. 212 °F		
Flash Point	> 43 °C / > 110 °F	TCC	
Evaporation rate	Faster than water		
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	NE	No information available
Vapor density	NE	No information available
Specific Gravity	0.9900 +/- 0.005	
Water solubility	Completely soluble.	Completely soluble.

9.2 Other information

VOC Content(%) < 5%

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible products	Oxidizers
Conditions to Avoid	Heat, flames and sparks
Hazardous Decomposition Products	On burning oxides of carbon.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Product Information	May be harmful by inhalation, ingestion, or skin absorption.
Inhalation	Inhalation of vapors in high concentration may cause irritation of the respiratory system Excessive inhalation may cause headache or dizziness
Eye contact	Irritating to eyes.
Skin contact	Prolonged contact may cause redness and irritation
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea May cause additional affects as listed under "Inhalation"

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

Chronic toxicity No known effect

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen The strong acid process for manufacturing isopropanol has been linked to an increased risk of cancer by IARC and OSHA. However, IARC and OSHA have found no evidence that isopropanol is carcinogenic to humans outside of that specific environment

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		X

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

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 <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50		13299: 48 h <i>Daphnia magna</i> 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

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
Isopropyl alcohol	Toxic Ignitable

14. TRANSPORT INFORMATION

Note Cleaning Compound, Not Regulated

DOT Not regulated
Proper shipping name Cleaning Compound, Liquid

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 - 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/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 contains a chemical or 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 ³ Mexico: STEL 500 ppm Mexico: STEL 1225 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.

Chemical Name	NPRI
Isopropyl alcohol	X

16. OTHER INFORMATION

Prepared By	Daley International 4100 West 76th Street Chicago, IL 60652	Issuing date	30-Nov-2012	Revision Date	29-Nov-2012
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Revision Note 1.

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

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