

Safety Data Sheet

Issue Date: 01-Dec-2014

Revision Date: 2-May-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name

SSS PrecisionPak Multi-Surface Cleaner

Product # 84102, 84102-4

Recommended use of the chemical and restrictions on use

Recommended Use Multi Surface cleaner.

Manufactured for:

Triple S
2 Executive Park Drive
Billerica, MA 01862

Company Phone Number 1-978-667-7900

Emergency Telephone (24 hr) 1-888-779-1339

2. HAZARDS IDENTIFICATION

Appearance Light Green liquid slightly more viscous than water

Physical State Liquid

Odor Fragrance added, fresh floral like soap odor

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1-Methoxy-2-propanol	107-98-2	10-15

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Ingredients: Water CAS# 7732-18-5; diethylene glycol ethyl ether CAS# 111-90-0; linear alcohol ethoxylates CAS# 68439-46-3; C8-C10 ethoxylated propoxylated linear alcohol CAS # 68603-25-8; C8-C14 polyglucosides CAS #68515-73-1 & 110615-47-9; Alanine, N, N-bis (caroxymethyl) Na salt (40%) CAS # 164462-16-2; sodium dodecylbenzene sulfonic acid CAS# 68081-81-2; traces of fragrance and colorant..

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment. If exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with plenty of water. Remove contaminated clothing, wash thoroughly before reuse.
Inhalation	Remove to fresh air.
Ingestion	Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center.

Most important symptoms and effects

Symptoms	Ingestion of significant quantity of concentrate may cause nausea, vomiting, abdominal pain, and diarrhea. If misted in concentrated form, can cause irritation of mucous membrane, nose, eye and throat. May cause dermatitis or irritation in some individuals upon prolonged contact. Localized skin defatting can be expected from any concentrated detergent on long contact. Can cause stinging or burning sensation of eyes and lids, watering of eye, and conjunctivitis in concentrate. Stinging and burning sensation in use solution.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Does not support combustion (ASTM D 4206).

Hazardous Combustion Products If heated to decomposition, CO, CO₂ and NO_x may be produced.

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.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required. Avoid contact with eyes and skin. Avoid breathing vapors or mists.
Environmental Precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up

Concentrated materials are packed in unit-dosed bags limiting any spills to very small quantities. Paper toweling or mopping is usually sufficient. Bags can be disposed of in normal waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store at elevated temperatures greater than 150 F.

Incompatible Materials

Strong oxidizing agents. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-Methoxy-2-propanol 107-98-2	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

None required under normal use. Use if in specific applications working solution will get into eyes.

Skin and Body Protection

Use gloves if hands will be continuously in solution. Not normally necessary in general use.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. None required under normal use.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

**Physical State
Appearance**

Liquid
Green liquid slightly more viscous than water

Odor

Added, fresh floral like soap odor

Color

Green

Odor Threshold

Not determined

Property

Values

Remarks • Method

pH	In concentrate: 10.4 +/- 0.8; In mopping solution: 9.3 +/- 0.7; In spray solutions: 10.25 +/- 0.6	
Melting Point/Freezing Point	< -17 °C / 0 °F	
Boiling Point/Boiling Range	> 100 °C / 212 °F	
Flash Point	> 100 °C / 212 °F	
Evaporation Rate	Much slower than 1	(n-BuAc=1)
Flammability (Solid, Gas)	Liquid- Not Applicable	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.02 +/- 0.02	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Long exposure to materials containing copper, aluminum and strong oxidizing agents may cause discoloration.

Incompatible Materials
Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products
If heated to decomposition, CO, CO2 and NOx may be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** Avoid contact with eyes.
- Skin Contact** Avoid long term skin contact.
- Inhalation** Avoid breathing vapors or mists.
- Ingestion** Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methoxy-2-propanol 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h
Di(ethylene glycol) ethyl ether 111-90-0	= 1920 mg/kg (Rat)	= 6 mL/kg (Rat) = 4200 µL/kg (Rabbit)	> 5240 mg/m ³ (Rat) 4 h

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

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

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

This product as a whole has not been tested for ecotoxicity.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-Methoxy-2-propanol 107-98-2		20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static		23300: 48 h Daphnia magna mg/L EC50
Di(ethylene glycol) ethyl ether 111-90-0		10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through		3940 - 4670: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
1-Methoxy-2-propanol 107-98-2	-0.437
Di(ethylene glycol) ethyl ether 111-90-0	-0.8

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Please contact manufacturer for most current information
<u>IATA</u>	Please contact manufacturer for most current information
<u>IMDG</u>	Please contact manufacturer for most current information

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
1-Methoxy-2-propanol	Present	X		Present		Present	X	Present	X	X

Legend:

- 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 Chemical Substances/European 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*

US Federal Regulations**CERCLA**

This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Di(ethylene glycol) ethyl ether - 111-90-0	111-90-0	5-10	1.0

CWA (Clean Water Act)

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1-Methoxy-2-propanol 107-98-2	X	X	X
Di(ethylene glycol) ethyl ether 111-90-0	X		X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

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Disclaimer

The information provided in this 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