

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. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

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. |
|--------------------------------|---|

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: 7.5 +/- 0.8; In mopping solution: 7.5 +/- 0.5; In spray solutions: 7.4 +/- 0.3 | |
| 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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 Revision Note: New format

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