

SAFETY DATA SHEET

Issuing Date 01-Mar-2016

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name Multi-Steam Easy Green Traffic Lane Cleaner

Other means of identification

Product Code 603102
Document 603102CG1-4

Recommended use of the chemical and restrictions on use

Recommended use Carpet Pre-Treatment

Details of the supplier of the safety data sheet

Distributor

Multi-Steam
21 Marshall Street
Wallingford, CT 06492

Emergency telephone number

24 Hour Emergency Phone Number INFOTRAC: 1-352-323-3500 (INTERNATIONAL)
1-800-535-5053 (NORTH AMERICA)

Company Phone Number 1-888-708-1929

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2

Label elements

Emergency Overview

Warning

Hazard Statements

Causes serious eye irritation



Appearance Transparent

Physical state Liquid

Odor Floral

Precautionary Statements - Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Wear eye/face protection

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention

- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to approved disposal facility

Hazards not otherwise classified (HNOC)**Other information**

Unknown Acute Toxicity 5% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

| Chemical Name | CAS-No | Weight-% | Trade Secret |
|-----------------------------------|-----------|----------|--------------|
| Diethylene glycol monobutyl ether | 112-34-5 | 5% - 10% | * |
| Sodium xylene sulfonate | 1300-72-7 | 1% - 5% | * |
| Sodium lauryl sulfate | 151-21-3 | 1% - 5% | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

| | |
|-----------------------|--|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician. |
| Skin contact | Remove any contaminated clothing and wash before re-use. Wash with water for 10-15 minutes. |
| Inhalation | Remove to fresh air. |
| Ingestion | Drink quantities of water to dilute. Induce vomiting only as directed by a doctor. Get medical attention. |

Most important symptoms/effects, acute and delayed

Main Symptoms The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

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.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions** Ensure adequate ventilation. Avoid contact with the skin and the eyes. Use personal protective equipment.**Environmental precautions****Environmental precautions** Keep out of waterways. See Section 12 for additional Ecological Information.**Methods and materials for containment and cleaning up****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****Precautions for safe handling****Advice on safe handling** KEEP OUT OF REACH OF CHILDREN. Do not eat, drink or smoke when using this product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Wash thoroughly after handling. Wear personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation.**Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions** Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.**Incompatible products** Acids. Strong oxidizing agents.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|----------|------------|
| Diethylene glycol monobutyl ether 112-34-5 | TWA: 10 ppm inhalable fraction and vapor | - | - |

NIOSH IDLH: *Immediately Dangerous to Life or Health***Appropriate engineering controls****Engineering Measures** Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location.**Individual protection measures, such as personal protective equipment**

| | |
|---------------------------------|---|
| Eye/Face Protection | Safety glasses with side-shields. |
| 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

Physical and chemical properties

| | | | |
|-----------------------|-------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Floral |
| Appearance | Transparent | Odor Threshold | No information available |
| Color | Colorless | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|---|--------------------------|--------------------------|
| pH | 9.0 | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | 100 °C / 212 °F | Estimated |
| Flash Point | No information available | TCC |
| Evaporation rate | About the same as water | Similar to water |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limit | No information available | |
| Lower flammability limit | No information available | |
| Vapor pressure | NE | |
| Vapor density | NE | |
| Specific Gravity | 1.016 /- 0.005 | |
| Water solubility | Completely soluble. | Completely soluble. |
| 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 | No information available | |
| Explosive properties | No information available | |
| Oxidizing Properties | No information available | |

Other information

| | |
|---------------------------|------|
| Softening point | N/A |
| Molecular Weight | N/A |
| VOC Content(%) | < 1% |
| Density VALUE | N/A |
| Bulk Density VALUE | N/A |

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Acids. Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Causes serious eye irritation |
| Inhalation | Inhalation of vapors in high concentration may cause irritation of the respiratory system. |
| Eye contact | Severely irritating to eyes. |
| Skin contact | Prolonged contact may cause redness and irritation. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 Inhalation |
|---|----------------------|-------------------------|--------------------------------------|
| Diethylene glycol monobutyl ether 112-34-5 | = 3384 mg/kg (Rat) | = 2700 mg/kg (Rabbit) | - |
| Sodium xylene sulfonate 1300-72-7 | = 1000 mg/kg (Rat) | - | - |
| Sodium lauryl sulfate 151-21-3 | = 977 mg/kg (Rat) | = 580 mg/kg (Rabbit) | > 3900 mg/m ³ (Rat) 1 h |

Information on toxicological effects

Symptoms No information available.

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

| | |
|---------------------------------|--|
| Sensitization | No information available. |
| Mutagenic effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 5% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|-------------|
| ATEmix (oral) | 19234 mg/kg |
| ATEmix (dermal) | 20687 mg/kg |
| ATEmix (inhalation-dust/mist) | 75.1 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

6.95% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---|--|---|---|
| Diethylene glycol monobutyl ether 112-34-5 | 100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 1300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | 2850: 24 h <i>Daphnia magna</i> mg/L EC50 >100: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Sodium lauryl sulfate 151-21-3 | 53: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 30 - 100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 117: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 3.59 - 15.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static | 8 - 12.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 7.97: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 9.9 - 20.1: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 4.62: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 15 - 18.9: 96 h <i>Pimephales</i> | - |

| | | | |
|--|--|--|--|
| | | promelas mg/L LC50 static 22.1 - 22.8: 96 h Pimephales promelas mg/L LC50 static 4.3 - 8.5: 96 h Oncorhynchus mykiss mg/L LC50 static 4.06 - 5.75: 96 h Lepomis macrochirus mg/L LC50 static 4.2 - 4.8: 96 h Lepomis macrochirus mg/L LC50 flow-through 4.5: 96 h Lepomis macrochirus mg/L LC50 5.8 - 7.5: 96 h Pimephales promelas mg/L LC50 static 10.2 - 22.5: 96 h Pimephales promelas mg/L LC50 semi-static 6.2 - 9.6: 96 h Pimephales promelas mg/L LC50 13.5 - 18.3: 96 h Poecilia reticulata mg/L LC50 semi-static 10.8 - 16.6: 96 h Poecilia reticulata mg/L LC50 static 1.31: 96 h Cyprinus carpio mg/L LC50 semi-static | |
|--|--|--|--|

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|-----------------------------------|-----------------------|
| Sodium lauryl sulfate 151-21-3 | 1.6 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

Note

Cleaning Compound, Not Regulated

DOT

Not regulated

Proper shipping name

Cleaning Compound, Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA -
DSL/NDSL -

| | |
|----------------------|-----------------|
| EINECS/ELINCS | - |
| ENCS | Does not Comply |
| IECSC | - |
| KECL | - |
| PICCS | - |
| AICS | Complies |

Legend:

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:

| Chemical Name | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Diethylene glycol monobutyl ether - 112-34-5 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| 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

This product contains substances regulated by state right-to-know regulations.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Diethylene glycol monobutyl ether 112-34-5 | X | - | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-------------------------|-----------------------|---------------------------|--|
| NFPA | Health Hazards 2 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health hazard 2 | Flammability 0 | Physical Hazards 0 | Personal protection X |

Prepared By
Issuing date 01-Mar-2016
Revision Date

Revision Note

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