



SAFETY DATA SHEET
STREAK-FREE GLASS CLEANER, AEROSOL

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name STREAK-FREE GLASS CLEANER, AEROSOL

Product number MCC-PMG19A

Recommended use of the chemical and restrictions on use

Application Glass cleaner.

Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier MicroCare Corporation

Contact Person techsupport@microcare.com

Manufacturer MICROCARE CORPORATION
595 John Downey Drive
New Britain, CT 06051
United States of America
CAGE: OATV9
Tel: +1 860-827-0626
Fax: +1 860-827-8105
techsupport@microcare.com

Emergency telephone number

Emergency telephone CHEMTREC (800) 424-9300

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Aerosol 3 Press. Gas, Compressed - H280

Health hazards Not Classified

Environmental hazards Not Classified

Human health Splashes in the eyes may cause redness and irritation. Keep out of the reach of children. See Section 11 for additional information on health hazards.

Physicochemical Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Label elements

STREAK-FREE GLASS CLEANER, AEROSOL**Pictogram****Signal word**

Warning

Hazard statements

H280 Contains gas under pressure; may explode if heated.

Precautionary statements

P251 Pressurized container: Do not pierce or burn, even after use
 P410+P403 Protect from sunlight. Store in a well-ventilated place.
 P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

Safety data sheet available on request. For use in industrial installations only.

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients**Mixtures**

| | |
|---|----------------|
| D.I. WATER | 60-100% |
| CAS number: 7732-18-5 | |
| Classification Not Classified | |
| 2-BUTOXYETHANOL | 5-10% |
| CAS number: 111-76-2 | |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 | |
| ETHANOL | 5-10% |
| CAS number: 64-17-5 | |
| Classification Flam. Liq. 2 - H225 Eye Irrit. 2A - H319 STOT SE 3 - H335 | |
| PROPANE | 1-5% |
| CAS number: 74-98-6 | |
| Classification Flam. Gas 1 - H220 Press. Gas | |

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| BUTANE | 1-5% |
| CAS number: 106-97-8 | |
| Classification | |
| Flam. Gas 1 - H220 | |
| Press. Gas | |

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200, TSCA: The ingredients of this product are on the TSCA Inventory.

4. First-aid measures

Description of first aid measures

| | |
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| General information | Promptly remove any clothing that becomes wet or contaminated. Move affected person to fresh air at once. Get medical attention if any discomfort continues. |
| Inhalation | Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately. |
| Ingestion | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician for specific advice. |
| Skin Contact | Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

Most important symptoms and effects, both acute and delayed

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|----------------------------|---|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| Inhalation | Vapors may cause headache, fatigue, dizziness and nausea. |
| Ingestion | May cause stomach pain or vomiting. Headache. |
| Skin contact | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. |
| Eye contact | Irritating to eyes. Vapor or spray in the eyes may cause irritation and smarting. |

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

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| Specific hazards | Containers can burst violently or explode when heated, due to excessive pressure build-up. Oxides of carbon. |
| Hazardous combustion products | Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon. |
| Advice for firefighters | |
| Protective actions during firefighting | Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapors. |
| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. If leakage cannot be stopped, evacuate area. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

7. Handling and storage

Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage precautions Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Specific end uses(s)

Specific end use(s) Cleaning agent.

Reference to other sections. Store away from incompatible materials (see Section 10).

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): ACGIH
 Short-term exposure limit (15-minute): ACGIH 1000 ppm
 ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber).

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

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|--|-------------------------------------|
| Appearance | Liquid. Foam. |
| Color | Clear liquid. Yellow-white. |
| Odor | Pleasant, agreeable. |
| Odor threshold | No information available. |
| pH | Estimated 9.1 -10.1 |
| Melting point | No information available. |
| Initial boiling point and range | (estimated) 100°C/212°F @ 101.3 kPa |
| Flash point | No information available. |
| Evaporation rate | No information available. |
| Evaporation factor | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Other flammability | No information available. |
| Vapor pressure | 0.482 - 0.620 mPa @ 70°F |
| Vapor density | No information available. |
| Relative density | No information available. |
| Bulk density | No information available. |
| Solubility(ies) | Completely soluble in water. |
| Partition coefficient | No information available. |

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|----------------------------------|-------------------------------|
| Auto-ignition temperature | No information available. |
| Decomposition Temperature | No information available. |
| Viscosity | No information available. |
| Explosive properties | No information available. |
| Comments | Aerosol. |
| Refractive index | No information available. |
| Particle size | No information available. |
| Molecular weight | Not applicable. |
| Volatility | 100% |
| Saturation concentration | No information available. |
| Critical temperature | No information available. |
| Flammability | The product is not flammable. |

10. Stability and reactivity

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|---|---|
| Stability | Stable at normal ambient temperatures. |
| Possibility of hazardous reactions | Will not polymerize. |
| Conditions to avoid | Avoid heat, flames and other sources of ignition. |
| Materials to avoid | Strong oxidizing agents. Strong alkalis. Strong mineral acids. |
| Hazardous decomposition products | Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrogen fluoride (HF). |

11. Toxicological information

Information on toxicological effects

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|---|---|
| Other health effects | There is no evidence that the product can cause cancer. |
| <u>Acute toxicity - oral</u> | |
| ATE oral (mg/kg) | 8,695.65 |
| <u>Acute toxicity - dermal</u> | |
| ATE dermal (mg/kg) | 19,130.43 |
| <u>Acute toxicity - inhalation</u> | |
| ATE inhalation (gases ppm) | 78,260.87 |
| ATE inhalation (vapours mg/l) | 191.3 |
| ATE inhalation (dusts/mists mg/l) | 26.09 |
| Inhalation | May cause respiratory system irritation. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. |
| Skin Contact | Product has a defatting effect on skin. May cause skin irritation/eczema. |

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Eye contact Irritating to eyes.

12. Ecological Information

Toxicity

Ecological information on ingredients.

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|---|--|
| Acute toxicity - fish | LC ₅₀ , 96 hours: >10,000 mg/l, Fish |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: 7,800 mg/l, Daphnia magna |

Bioaccumulative potential

Partition coefficient No information available.

Mobility in soil

Mobility Not considered to be a significant hazard due to the small quantities used.

13. Disposal considerations

Waste treatment methods

General information Reuse or recycle products wherever possible.

Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

| | |
|----------------------|--------|
| UN No. (DOT) | UN1950 |
| UN No. (TDG) | UN1950 |
| UN No. (IMDG) | UN1950 |
| UN No. (ICAO) | UN1950 |

UN proper shipping name

| | |
|------------------------------------|---|
| Proper shipping name (DOT) | UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY |
| Proper shipping name (TDG) | UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY |
| Proper shipping name (IMDG) | UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY |
| Proper shipping name (ICAO) | UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY |

Transport hazard class(es)

| | |
|----------------------------|-----|
| TDG class | 2.1 |
| TDG label | 2.1 |
| IMDG Class | 2.1 |
| ICAO class/division | 2.1 |

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Transport labels



Packing group

| | |
|--------------------|-----|
| DOT pack group | N/A |
| TDG Packing Group | N/A |
| IMDG packing group | N/A |
| ICAO packing group | N/A |

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

SARA 313 Emission Reporting

Not listed.

CAA Accidental Release Prevention

Not listed.

SARA (311/312) Hazard Categories

Fire
Pressure

OSHA Highly Hazardous Chemicals

Not listed.

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US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

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California Air Toxics "Hot Spots" (A-I)

Not listed.

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

Not listed.

Massachusetts "Right To Know" List

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Yes.

Rhode Island "Right To Know" List

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Yes.

Minnesota "Right To Know" List

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Yes.

New Jersey "Right To Know" List

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Yes.

Pennsylvania "Right To Know" List

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Yes.

Inventories

Canada - DSL/NDSL

Yes

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US - TSCA

All the ingredients are listed.

US - TSCA 12(b) Export Notification

Not listed.

16. Other information

| | |
|--------------------------|--|
| Revision comments | NOTE: Lines within the margin indicate significant changes from the previous revision. |
| Revision date | 2/9/2016 |
| Revision | 21 |
| Supersedes date | 1/8/2016 |
| SDS No. | AEROSOL - PMG |

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|---|---|
| Hazard statements in full | H220 Extremely flammable gas. H225 Highly flammable liquid and vapor. H280 Contains gas under pressure; may explode if heated. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. |
| NFPA - health hazard | Irritation, minor residual injury. (1) |
| NFPA - flammability hazard | Ignites easily. (3) |
| NFPA - instability hazard | Unstable if heated. (1) |
| NFPA - special hazard | N/A |
| ACA HMIS Health rating. | Slight Hazard. (1) |
| ACA HMIS Flammability rating. | Ignites easily. (3) |
| ACA HMIS Physical hazard rating. | Unstable if heated. (1) |
| ACA HMIS Personal protection rating. | B |

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.