

Issue Date: 06-Jul-2012

Revision/Review Date: 13-Sep-2019

Version 1.3

1. IDENTIFICATION

Product Identifier

Product Name Choremaster

Other Means of Identification

Product Code 053800

Recommended use of the Chemical and Restrictions on Use

Recommended Use All purpose cleaner concentrate. For industrial use.

Details of the Supplier of the Safety Data Sheet

Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Yellow

Physical State Liquid

Odor Lemon

Classification

| | |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation | Category 3 |
| Serious eye damage/eye irritation | Category 2 Sub-Category A |

Signal Word

Warning



Hazard Statements

Causes mild skin irritation.
Causes serious eye irritation.

Precautionary Statements - Prevention

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

Precautionary Statements - Response

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: If skin irritation occurs: get medical advice/attention.

Precautionary Statements - Storage

No other means specified.

Precautionary Statements - Disposal

No other means specified.

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-------------------------------|-------------|----------|
| Water | 7732-18-5 | 60-100 |
| Ethylene Glycol n-Butyl Ether | 111-76-2 | 3-7 |
| Tetrasodium EDTA | 64-02-8 | 1-5 |
| Monoethanolamine | 141-43-5 | 1-5 |
| Phosphated Surfactant | Proprietary | 1-5 |

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.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention/advice if irritation persists/ |
| Skin Contact | Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. |
| Inhalation | Remove to fresh air. Call a physician or poison control center immediately. |
| Ingestion | Rinse mouth. Drink plenty of water. If any discomfort persists, obtain medical attention. |

Most Important Symptoms and Effects

Symptoms Exposed individuals may experience eye tearing, redness and discomfort.

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. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

None known.

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 protection recommended in Section 8.

Environmental Precautions Avoid release to the environment.

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 Collect in a clean, dry waste container for disposal. Dispose of in accordance with federal, state and local regulations. Use a water rinse for final clean up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Keep out of the reach of children. Store locked up.

Incompatible Materials Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |
| Monoethanolamine 141-43-5 | STEL: 6 ppm TWA: 3 ppm | TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³ | IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ |

Appropriate Engineering Controls

Engineering Controls General ventilation sufficient.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection No protective equipment is needed under normal use conditions.

Skin and Body Protection None under normal use conditions.

Respiratory Protection No protective equipment is needed under normal use conditions.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|-----------------------|--------|-----------------------|----------------|
| Physical State | Liquid | Odor | Lemon |
| Appearance | Clear | Odor Threshold | Not determined |
| Color | Yellow | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| pH | 12.5-12.9 | |
| Melting Point/Freezing Point | ~ 0 °C / ~32 °F | |
| Boiling Point/Boiling Range | ~ 100 °C / ~212 °F | |
| Flash Point | Not available | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | n/a-liquid | |

| | | |
|-------------------------------------|--------------------|-----------------|
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.03 | |
| Water Solubility | Completely soluble | @ 25 °C (77 °F) |
| 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 under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Keep from freezing.

Incompatible Materials

Acids.

Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

| | |
|---------------------|----------------------------------|
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | May cause skin irritation. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------------------|----------------------|---------------------------------------------|--------------------------------------------------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | = 470 mg/kg (Rat) | = 2270 mg/kg (Rat) = 220 mg/kg (Rabbit) | = 2.21 mg/L (Rat) (4hr) = 450 ppm (Rat) (4hr) |
| Tetrasodium EDTA 64-02-8 | = 10 g/kg (Rat) | - | - |
| Monoethanolamine 141-43-5 | = 1720 mg/kg (Rat) | = 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit) | - |

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

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-------------------------------------------|-------|---------|-----|------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | A3 | Group 3 | | |

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | - | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | - | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |
| Tetrasodium EDTA 64-02-8 | 1.01: 72 h Desmodosmus subspicatus mg/L EC50 | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static | - | 610: 24 h Daphnia magna mg/L EC50 |
| Monoethanolamine 141-43-5 | 15: 72 h Desmodosmus subspicatus mg/L EC50 | 227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through | - | 65: 48 h Daphnia magna mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|-------------------------------------------|-----------------------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | 0.81 |
| Monoethanolamine 141-43-5 | -1.91 |

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

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated**IATA** Not regulated**IMDG**
Marine Pollutant This material may meet the definition of a marine pollutant**15. REGULATORY INFORMATION****International Inventories**Canada – Domestic Substances List (DSL)
TSCA (Toxic Substances Control Act)All ingredients are listed or exempt.
All ingredients are listed or exempt.**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List***US Federal Regulations****SARA 311/312 Hazard Categories****Acute Health Hazard** Yes**SARA 313**

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-------------------------------|----------|----------|-------------------------------|
| Ethylene Glycol n-Butyl Ether | 111-76-2 | 3-7 | 1.0 |

US State Regulations**U.S. State Right-to-Know Regulations**

| Chemical Name | State List |
|-------------------------------------------|------------|
| Ethylene Glycol n-Butyl Ether 111-76-2 | MA, NJ, PA |
| Monoethanolamine 141-43-5 | MA, NJ, PA |

AZ – Arizona Ambient Air Quality Guidelines

CT – Connecticut Hazardous Air Pollutants

CA – California Director's List of Hazardous Substances

CAP65 – California Prop 65

FL – Florida Substances List

ID – Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic

MA – Massachusetts Right to Know List

MN – Minnesota Hazardous Substances List

NJ – New Jersey Right to Know List

PA – Pennsylvania Right to Know List

RI – Rhode Island Hazardous Substances List

16. OTHER INFORMATION

Issue Date: 06-Jul-2012
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Revision Note: Version 1.3 Updated Sections 3,11, 12, 15

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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet