

Prepared according to the WHMIS, ANSI, ACC &amp; OSHA standards.

Revision 1.0

03/01/2003

**1. PRODUCT IDENTIFICATION**

|     |                         |                                                 |
|-----|-------------------------|-------------------------------------------------|
| 1.1 | Product Name:           | <b>303 FABRIC CLEANER™</b>                      |
| 1.2 | Chemical Name:          | See ingredients listed in section 2             |
| 1.3 | Synonyms:               | None reported by the manufacturer               |
| 1.4 | Trade Names:            | 303 Fabric Cleaner                              |
| 1.5 | Product Use:            |                                                 |
| 1.6 | Manufacturer's Name:    | 303 Products, Inc.                              |
| 1.7 | Manufacturer's Address: | 10801 Starwood Drive, Palo Cedro, CA 96073      |
| 1.8 | Business Phone:         | 530-549-5617                                    |
| 1.9 | Emergency Phone:        | <b>CHEMTREC 1-800-424-9300 / 1-703-527-3887</b> |

| CHEMICAL RESPONSE CARD:     |  |  |  |          |
|-----------------------------|--|--|--|----------|
| RESPONSE TEAM PPE:          |  |  |  |          |
| WHMIS:                      |  |  |  |          |
| <b>HEALTH:</b>              |  |  |  | <b>1</b> |
| <b>FLAMMABILITY:</b>        |  |  |  | <b>0</b> |
| <b>REACTIVITY:</b>          |  |  |  | <b>0</b> |
| <b>PERSONAL PROTECTION:</b> |  |  |  | <b>B</b> |

**2. COMPOSITION & INGREDIENTS**

| COMPOSITION | CAS No./<br>RTECS No. | % | EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> ) |      |      |      |      |        |
|-------------|-----------------------|---|---------------------------------------------|------|------|------|------|--------|
|             |                       |   | ACGIH                                       |      | OSHA |      |      | OTHERS |
|             |                       |   | TLV                                         | STEL | PEL  | STEL | IDLH |        |
| Proprietary |                       |   | NA                                          | NA   | NA   | NA   | NA   |        |

**3. IDENTIFICATION OF RISKS**

|     |                           |                                                                                                                                                                                                                                                                                                |
|-----|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 | Hazard Identification:    |                                                                                                                                                                                                                                                                                                |
| 3.2 | Routes of Entry:          | <b>INHALATION: NO</b> <b>SKIN &amp; EYES: YES</b> <b>INGESTION: YES</b>                                                                                                                                                                                                                        |
| 3.3 | Effects of Exposure:      | <b>EYES:</b> Possible irritation and burning sensation.<br><b>SKIN:</b> Possible irritation and dermatitis (rash).<br><b>INGESTION:</b> Possible gastrointestinal irritation, nausea, vomiting or diarrhea.<br><b>INHALATION:</b> No adverse health effects expected.                          |
| 3.4 | Symptoms of Exposure:     | <b>EYES:</b> Irritation and burning sensation.<br><b>SKIN:</b> Possible irritation and dermatitis (rash), characterized by red, dry, itching skin.<br><b>INGESTION:</b> Gastrointestinal discomfort, nausea, vomiting, and headache.<br><b>INHALATION:</b> No adverse health effects expected. |
| 3.5 | Acute Health Effects:     | <b>EYES:</b> Irritation.<br><b>SKIN:</b> Possible irritation and dermatitis (rash).<br><b>INGESTION:</b> Possible gastrointestinal irritation, nausea, vomiting or diarrhea.<br><b>INHALATION:</b> No adverse health effects expected.                                                         |
| 3.6 | Chronic Health Effects:   | None known.                                                                                                                                                                                                                                                                                    |
| 3.7 | Target Organs:            | None reported by the manufacturer.                                                                                                                                                                                                                                                             |
| 3.8 | Toxicological Properties: | None reported by the manufacturer.                                                                                                                                                                                                                                                             |

**4. FIRST AID**

|     |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1 | First Aid:                                 | <b>EYES:</b> Flush eyes thoroughly with copious amounts of water for at least 20 minutes, holding eyelids open to ensure complete flushing. If irritation persists, contact a physician.<br><b>SKIN:</b> Wash affected areas with soap and water. If irritation persists, contact a physician. Launder clothing before reuse.<br><b>INGESTION:</b> Do not induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.<br><b>INHALATION:</b> Remove victim to fresh air at once. |
| 4.2 | Medical Conditions Aggravated by Exposure: | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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03/01/2003

**5. FIRE & EXPLOSION HAZARDS**

|     |                           |                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |
|-----|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|
| 5.1 | Flashpoint & Method:      | Not flammable.                                                                                                                                                                                                                                                                                                                                                       |    |                              |    |
| 5.2 | Autoignition Temperature: | NA                                                                                                                                                                                                                                                                                                                                                                   |    |                              |    |
| 5.3 | Flammability Limits:      | Lower Explosive Limit (LEL):                                                                                                                                                                                                                                                                                                                                         | NA | Upper Explosive Limit (UEL): | NA |
| 5.4 | Fire & Explosion Hazards: | None known.                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |
| 5.5 | Extinguishing Methods:    | CO <sub>2</sub> , sand, dry chemical, halon, foam, and indirect water spray or fog.                                                                                                                                                                                                                                                                                  |    |                              |    |
| 5.6 | Firefighting Procedures:  | Poses no unusual fire or explosion hazard. Keep containers cool until well after the fire is out. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters should wear full-face, self-contained breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious clothing. |    |                              |    |

**6. SPILLS & LEAKS**

|     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 | Spills: | Secure spill area and maximize ventilation. Stop spill or leak at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Recover free liquid or cover with inert absorbent material and place into appropriate container(s) for disposal. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers or any natural waterway or drinking supply. |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**7. STORAGE & HANDLING**

|     |                           |                                                                                                                                                                          |
|-----|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1 | Work & Hygiene Practices: | Use normal hygiene practices. Avoid breathing vapors. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking. |
| 7.2 | Storage & Handling:       | Do not freeze. Follow all label instructions. Keep container closed when not in use.                                                                                     |
| 7.3 | Special Precautions:      | Keep this and all chemical out of reach of children.                                                                                                                     |

**8. EXPOSURE CONTROL & PERSONAL PROTECTION**

|     |                                     |                                                                     |
|-----|-------------------------------------|---------------------------------------------------------------------|
| 8.1 | Ventilation & Engineering Controls: | None required under normal conditions of use.                       |
| 8.2 | Respiratory Protection:             | None required.                                                      |
| 8.3 | Eye Protection:                     | Chemical goggles should be used when handling any chemical product. |
| 8.4 | Hand Protection:                    | Waterproof gloves recommended but not required.                     |
| 8.5 | Body Protection:                    | None required under normal conditions of use.                       |

**9. PHYSICAL & CHEMICAL PROPERTIES**

|      |                                     |                                |
|------|-------------------------------------|--------------------------------|
| 9.1  | Density:                            | 1.010 @ 20 °C (68 °F)          |
| 9.2  | Boiling Point:                      | > 93.4 °C                      |
| 9.3  | Melting Point:                      | ND                             |
| 9.4  | Evaporation Rate:                   | < 1.0 (water = 1.0)            |
| 9.5  | Vapor Pressure @ 20°C:              | 17.5 mm Hg                     |
| 9.6  | Molecular Weight:                   | NA                             |
| 9.7  | Appearance & Colour:                | Yellowish liquid               |
| 9.8  | Odour Threshold:                    | Mild odor                      |
| 9.9  | Solubility:                         | Fully soluble                  |
| 9.10 | pH:                                 | NA                             |
| 9.11 | Viscosity:                          | NA                             |
| 9.12 | Coefficient Oil/Water Distribution: | NA                             |
| 9.13 | Additional Information:             | Vapor density 0.62 (Air = 1.0) |



# MATERIAL SAFETY DATA SHEET

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Revision 1.0

03/01/2003

## 10. STABILITY & REACTIVITY

|      |                          |                                    |
|------|--------------------------|------------------------------------|
| 10.1 | Stability:               | Stable under normal conditions.    |
| 10.2 | Decomposition Products:  | NA                                 |
| 10.3 | Polymerization:          | Will not occur.                    |
| 10.4 | Conditions to Avoid:     | NA                                 |
| 10.5 | Incompatible Substances: | None reported by the manufacturer. |

## 11. TOXICOLOGICAL INFORMATION

|      |                              |                                                                                                                                                                                                                                                                     |
|------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.1 | Toxicity Data:               | No general or specific toxicity data has been reported by the manufacturer other than the information presented in Section 3. However, good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended. |
| 11.2 | Acute Toxicity:              | See section 3.5                                                                                                                                                                                                                                                     |
| 11.3 | Chronic Toxicity:            | See section 3.6                                                                                                                                                                                                                                                     |
| 11.4 | Suspected Carcinogen:        | NO                                                                                                                                                                                                                                                                  |
| 11.5 | Reproductive Toxicity:       |                                                                                                                                                                                                                                                                     |
|      | Mutagenicity:                | This product is not expected to cause mutagenic effects in humans.                                                                                                                                                                                                  |
|      | Embryotoxicity:              | This product is not expected to cause embryotoxic effects in humans.                                                                                                                                                                                                |
|      | Teratogenicity:              | This product is not expected to cause teratogenic effects in humans.                                                                                                                                                                                                |
|      | Reproductive Toxicity:       | This product is not expected to cause reproductive harm in humans.                                                                                                                                                                                                  |
| 11.6 | Irritancy of Product:        | NA                                                                                                                                                                                                                                                                  |
| 11.7 | Biological Exposure Indices: | NA                                                                                                                                                                                                                                                                  |
| 11.8 | Medical Recommendations:     | Treat symptomatically.                                                                                                                                                                                                                                              |

## 12. ECOLOGICAL INFORMATION

|      |                             |                                                                                                                                                                                             |
|------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1 | Environmental Stability:    | The manufacturer has not reported detailed studies on the environmental fate of the material. However, prudent practice would dictate the material not be allowed to enter the environment. |
| 12.2 | Effect on Plants & Animals: | The manufacturer has not reported any plant and animal effects.                                                                                                                             |
| 12.3 | Effect on Aquatic Life:     | The manufacturer has not reported any aquatic life effects.                                                                                                                                 |

## 13. DISPOSAL CONSIDERATIONS

|      |                         |                                                                                                                                                             |
|------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1 | Waste Disposal:         | Dispose of in accordance with federal, state & provincial hazardous waste laws.                                                                             |
| 13.2 | Special Considerations: | If the material is unsuitable for recycling or reclamation, enclosed-controlled incineration is recommended unless otherwise prohibited by local ordinance. |

## 14. TRANSPORTATION INFORMATION

|      |                    |               |  |
|------|--------------------|---------------|--|
| 14.1 | 49 CFR (GND):      | NOT REGULATED |  |
| 14.2 | IATA (AIR):        | NOT REGULATED |  |
| 14.3 | IMDG (OCN):        | NOT REGULATED |  |
| 14.4 | TDGR (Canada GND): | NOT REGULATED |  |

## 15. REGULATORY INFORMATION

|      |                              |                                                                                      |
|------|------------------------------|--------------------------------------------------------------------------------------|
| 15.1 | SARA Reporting Requirements: | This product does not contain any substances subject to SARA reporting requirements. |
|------|------------------------------|--------------------------------------------------------------------------------------|



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Revision 1.0

03/01/2003

## 16. OTHER INFORMATION

|      |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.1 | Other Information: | This product has been classified according to the hazard criteria of the U.S. Occupational Safety & Health Administration's hazard Communication Standards and Health Canada's Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the priorities substances list. |
|------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |                      |                                                       |
|------|----------------------|-------------------------------------------------------|
| 16.2 | Terms & Definitions: | Please see page 5 of this Material Safety Data Sheet. |
|------|----------------------|-------------------------------------------------------|

|      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.3 | Disclaimer: | This Material Safety Data Sheet complies with U.S. OSHA's Hazard Communication Standard, 29 CFR §1910.1200 and Health Canada's Workplace Hazardous Materials Information System (WHMIS. To the best of ShipMate's or 303 Products' knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product. Contact the manufacturer for additional information. |
|------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |                                                                                                                   |
|------|-------------------------------------------------------------------------------------------------------------------|
| 16.4 | Prepared for:<br>303 Products, Inc.<br>10801 Starwood Drive<br>Palo Cedro, CA 96073-0966<br>Phone: 1-530-549-5617 |
|------|-------------------------------------------------------------------------------------------------------------------|



|      |                                                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.5 | Prepared by:<br>ShipMate, Inc.<br>18436 Hawthorne Blvd, Suite 201<br>Torrance, CA 90504<br>Phone: 1-310-370-3600, Fax: 1-310-370-5700<br>E-mail: <a href="mailto:shipmate@shipmate.com">shipmate@shipmate.com</a><br>Web: <a href="http://www.shipmate.com/">http://www.shipmate.com/</a> |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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## DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

### GENERAL INFORMATION:

|                |                                  |
|----------------|----------------------------------|
| <b>CAS No.</b> | Chemical Abstract Service Number |
|----------------|----------------------------------|

### EXPOSURE LIMITS IN AIR:

|              |                                                           |
|--------------|-----------------------------------------------------------|
| <b>ACGIH</b> | American Conference on Governmental Industrial Hygienists |
| <b>TLV</b>   | Threshold Limit Value                                     |
| <b>OSHA</b>  | U.S. Occupational Safety and Health Administration        |
| <b>PEL</b>   | Permissible Exposure Limit                                |
| <b>IDLH</b>  | Immediately Dangerous to Life and Health                  |

### FIRST AID MEASURES:

|            |                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPR</b> | Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

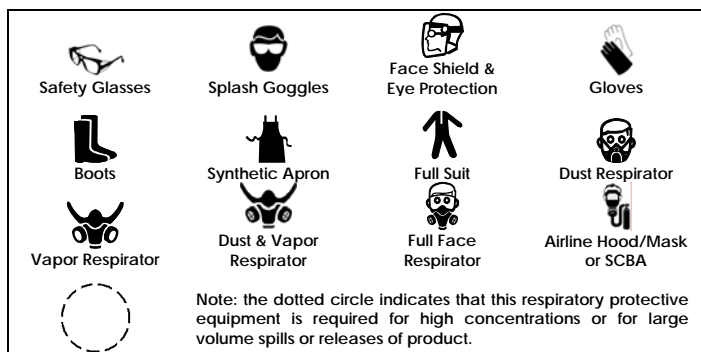
#### HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

|   |                 |
|---|-----------------|
| 0 | Minimal Hazard  |
| 1 | Slight Hazard   |
| 2 | Moderate Hazard |
| 3 | Severe Hazard   |
| 4 | Extreme Hazard  |



#### PERSONAL PROTECTION RATINGS:

|          |  |          |                                                                    |
|----------|--|----------|--------------------------------------------------------------------|
| <b>A</b> |  | <b>G</b> |                                                                    |
| <b>B</b> |  | <b>H</b> |                                                                    |
| <b>C</b> |  | <b>I</b> |                                                                    |
| <b>D</b> |  | <b>J</b> |                                                                    |
| <b>E</b> |  | <b>K</b> |                                                                    |
| <b>F</b> |  | <b>X</b> | Consult your supervisor or S.O.P. for special handling directions. |



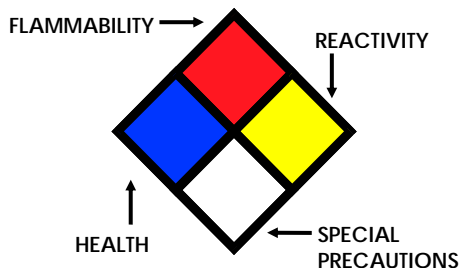
#### OTHER STANDARD ABBREVIATIONS:

|             |                                    |
|-------------|------------------------------------|
| <b>NA</b>   | Not Available                      |
| <b>NR</b>   | No Results                         |
| <b>NE</b>   | Not Established                    |
| <b>ND</b>   | Not Determined                     |
| <b>ML</b>   | Maximum Limit                      |
| <b>SCBA</b> | Self-Contained Breathing Apparatus |

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

|                                 |                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Autoignition Temperature</b> | Minimum temperature required to initiate combustion in air with no other source of ignition                                           |
| <b>LEL</b>                      | Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source  |
| <b>UEL</b>                      | Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source |



#### HAZARD RATINGS:

|   |                 |
|---|-----------------|
| 0 | Minimal Hazard  |
| 1 | Slight Hazard   |
| 2 | Moderate Hazard |
| 3 | Severe Hazard   |
| 4 | Extreme Hazard  |

|            |              |
|------------|--------------|
| <b>ACD</b> | Acidic       |
| <b>ALK</b> | Alkaline     |
| <b>COR</b> | Corrosive    |
| <b>-W</b>  | Use No Water |
| <b>OX</b>  | Oxidizer     |

#### TOXICOLOGICAL INFORMATION:

|                                                                                                                            |                                                                       |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>LD<sub>50</sub></b>                                                                                                     | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
| <b>LC<sub>50</sub></b>                                                                                                     | Lethal concentration (gases) which kills 50% of the exposed animal    |
| <b>ppm</b>                                                                                                                 | Concentration expressed in parts of material per million parts        |
| <b>TD<sub>10</sub></b>                                                                                                     | Lowest dose to cause a symptom                                        |
| <b>TCLo</b>                                                                                                                | Lowest concentration to cause a symptom                               |
| <b>TD<sub>10</sub>, LD<sub>10</sub>, &amp; LD<sub>0</sub> or TC, TC<sub>0</sub>, LC<sub>10</sub>, &amp; LC<sub>0</sub></b> | Lowest dose (or concentration) to cause lethal or toxic effects       |
| <b>IARC</b>                                                                                                                | International Agency for Research on Cancer                           |
| <b>NTP</b>                                                                                                                 | National Toxicology Program                                           |
| <b>RTECS</b>                                                                                                               | Registry of Toxic Effects of Chemical Substances                      |
| <b>BCF</b>                                                                                                                 | Bioconcentration Factor                                               |
| <b>TL<sub>m</sub></b>                                                                                                      | Median threshold limit                                                |
| <b>log K<sub>ow</sub> or log K<sub>oc</sub></b>                                                                            | Coefficient of Oil/Water Distribution                                 |

#### REGULATORY INFORMATION:

|              |                                                          |
|--------------|----------------------------------------------------------|
| <b>WHMIS</b> | Canadian Workplace Hazardous Material Information System |
| <b>DOT</b>   | U.S. Department of Transportation                        |
| <b>TC</b>    | Transport Canada                                         |
| <b>EPA</b>   | U.S. Environmental Protection Agency                     |
| <b>DSL</b>   | Canadian Domestic Substance List                         |
| <b>NDSL</b>  | Canadian Non-Domestic Substance List                     |
| <b>TSCA</b>  | U.S. Toxic Substance Control Act                         |