**Section 1 - Identification**

**Product Identifier**
SAFETY-KLEEN PROFESSIONAL HEAVY DUTY HAND WIPES

**Product Code**
32643

**Synonyms**
Not available

**Recommended Use**
Hand cleaning wipe.
If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

**Restrictions on Use**
These hand wipes were formulated to comply with various state consumer product VOC regulations (i.e., clean air regulations). Using this product for cleaning surfaces other than hands (e.g., removing grease and oil from automotive or miscellaneous metal parts) is prohibited in order to ensure compliance with such regulations.

**Manufacturer Information**
Safety-Kleen Systems, Inc.  Phone: 1-800-669-5740
2600 North Central Expressway, Suite 400

Richardson, TX 75080  Emergency # 1-800-468-1760

**Issue Date**
March 7, 2014

**Supersedes Issue Date**
New Issue SDS

**Original Issue Date**
New Issue SDS

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**Section 2 - Hazard(s) Identification**

**Classification in Accordance with 29 CFR 1910.1200.**
Hazardous to the aquatic environment - acute hazard, Category 3

**GHS LABEL ELEMENTS**

**Symbol(s)**
None needed according to classification criteria.

**Signal Word**
None needed according to classification criteria.

**Hazard Statement(s)**
None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention**
Avoid release to the environment.

**Response**
None needed according to classification criteria.

**Storage**
None needed according to classification criteria.

**Disposal**
Dispose of in accordance with all applicable federal, state and local regulations.

**Hazard(s) Not Otherwise Classified**
None known.
**Safety Data Sheet**

**Material Name:** SAFETY-KLEEN PROFESSIONAL HEAVY DUTY HAND WIPES

**SDS ID:** 820165

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**Section 3 - Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>627-93-0</td>
<td>Dimethyl adipate</td>
<td>3-10</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Ethoxylated alcohols</td>
<td>&lt;10</td>
</tr>
<tr>
<td>1119-40-0</td>
<td>Dimethyl glutarate</td>
<td>3-10</td>
</tr>
</tbody>
</table>

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**Section 4 - First Aid Measures**

**Description of Necessary Measures**

**Inhalation**

Not normally needed. If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Skin**

Not normally needed. If irritation occurs, discontinue use and wash affected area with soap and water.

**Eyes**

IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor.

**Ingestion**

Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

**Most Important Symptoms/Effects**

**Acute**

May cause irritation of the skin and eyes.

**Delayed**

No information on significant adverse effects.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Needed**

Call a POISON CENTER or doctor/physician. Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

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**Section 5 - Fire-Fighting Measures**

**Suitable Extinguishing Media**

Use fire fighting measures suitable for the surrounding area.

**Unsuitable Extinguishing Media**

Do not use high-pressure water streams.

**Specific Hazards Arising from the Chemical**

Negligible fire hazard.

**Hazardous Combustion Products**

Oxides of carbon, carbon monoxide, unidentified organic compounds

**Special Protective Equipment and Precautions for Firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Fire Fighting Measures**

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Dike for later disposal.
**Section 6 - Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures**

See Section 8, Exposure Controls/Personal Protection. Avoid release to the environment. Leaked spilled product may be slippery.

**Methods and Materials for Containment and Clean Up**

Pick up and place in container for disposal.

**Section 7 - Handling and Storage**

**Precautions for Safe Handling**

Avoid contact with eyes.

**Conditions for Safe Storage, Including Any Incompatibilities**

Store in a well-ventilated place. See Section 14, Transportation Information for Packing Group Information.

**Incompatibilities**

Combustible materials, oxidizing materials

**Section 8 - Exposure Controls / Personal Protection**

**Component Exposure Limits**

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

**Appropriate Engineering Controls**

Provide general ventilation.

**Individual Protective Measures, such as Personal Protective Equipment**

**Eyes/Face Protection**

Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

**Skin Protection**

Not necessary with normal use.

**Respiratory Protection**

It is not expected that using this product as recommended would require wearing a respirator.

**Section 9 - Physical & Chemical Properties**

**Appearance/Odor**

White, liquid
Sweet

**Boiling Point**

210°F (99°C)

**Solubility (H2O)**

Not available

**Density**

Not available

**Evaporation Rate**

Not available

**LFL**

Not available

**UFL**

Not available

**Vapor Pressure**

Not available

**Decomposition Temperature**

Not available

**pH**

Not available

**Odor Threshold**

Not available

**Melting Point**

-40 °F (-40°C)

**Specific Gravity**

1.022@ 20 °C

**Octanol/H2O Coeff.**

Not available

**Auto Ignition Temperature**

>500°F (>260°C)

**Flash Point**

Zero

**Viscosity**

Not available

**Vapor Density**

1.06g/cm3 @ 20 °C

**Other Property Information**

No information is available.
**Section 10 - Stability & Reactivity**

*Reactivity*
No reactivity hazard is expected.

*Chemical Stability*
Stable at normal temperatures and pressure.

*Possibility of Hazardous Reactions*
Will not polymerize under normal temperature and pressure conditions.

*Conditions To Avoid*
Avoid heat, sparks, or flame. Avoid contact with incompatible materials.

*Incompatible Materials*
Incompatible materials include oxidizing materials.

*Hazardous Decomposition Products*
Burning may produce carbon dioxide, carbon monoxide, and unidentified organic compounds. See also Section 5, Hazardous Combustion Products.

**Section 11 - Toxicological Information**

*Toxicity Data and Information*

**Component Analysis - LD50/LC50**

- Dimethyl adipate (627-93-0)
  Oral LD50 Rat 1920 mg/kg

- Dimethyl glutarate (1119-40-0)
  Inhalation LC50 Rat >5.6 mg/L 4 h; Oral LD50 Rat 8191 mg/kg

*Information on Likely Routes of Exposure*

**Inhalation**
May cause irritation, nausea, loss of appetite, headache, drowsiness, dizziness, and disorientation.

**Ingestion**
May be harmful if swallowed. May cause headache, drowsiness, dizziness, and loss of coordination.

**Skin Contact**
May cause irritation of the skin.

**Eye Contact**
May cause irritation of the eye.

*Immediate Effects*
May cause irritation of the skin and eyes.

*Delayed Effects*
No information on significant adverse effects.

*Irritation/Corrosivity*
May cause irritation of the skin and eyes.

*Respiratory Sensitization*
No information available for the product.

*Skin Sensitization*
No information available for the product.

*Carcinogenicity*
No information available for the product.

**Component Carcinogenicity**
None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.
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Germ Cell Mutagenicity
No information available for the product.

Teratogenicity
No information available for the product.

Reproductive Effects
No information available for the product.

Specific Target Organ Effects - Single Exposure
No information available for the product.

Specific Target Organ Effects - Repeated Exposure
No information available for the product.

Aspiration Hazard
No information available for the product.

Medical Conditions Aggravated by Exposure
Eye disorders, respiratory disorders, skin disorders

*** Section 12 - Ecological Information ***

Ecotoxicity
Harmful to aquatic life.

Component Analysis - Ecotoxicity - Aquatic Toxicity
Dimethyl glutarate (1119-40-0)

<table>
<thead>
<tr>
<th>Duration/Test/Species</th>
<th>Concentration/Conditions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Pimephales promelas</td>
<td>19.6 - 26.2 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>48 Hr EC50 Daphnia magna</td>
<td>122.1 - 163.5 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
Biodegradable.

Bioaccumulation Potential
No information available for the product.

Mobility in Soil
No information available for the product.

Other Adverse Effects
No additional information is available.

*** Section 13 - Disposal Considerations ***

Disposal Methods
Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal. Dispose in accordance with federal, state, provincial, and local regulations.

*** Section 14 - Transport Information ***

Emergency Response Guide Number
Not applicable.
**International Transportation Regulations**

DOT  
Not regulated.

TDG  
Not regulated.

IMDG Information  
Not regulated as dangerous goods.

IATA Information  
Not regulated as dangerous goods.

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**Section 15 - Regulatory Information**

Volatile Organic Compounds (As Regulated)

**Federal Regulations**

SARA 302/304

Component Analysis  
Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Hazardous Categories  
Acute Health: No  
Chronic Health: No  
Fire: No  
Pressure: No  
Reactive: No

SARA Section 313

Component Analysis  
This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA

Component Analysis  
Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

**TSCA Inventory**

Component Analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl adipate</td>
<td>627-93-0</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimethyl glutarate</td>
<td>1119-40-0</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**U.S. State Regulations**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

**Canadian Regulations**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>CAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl adipate</td>
<td>627-93-0</td>
<td>DSL</td>
</tr>
<tr>
<td>Dimethyl glutarate</td>
<td>1119-40-0</td>
<td>DSL</td>
</tr>
</tbody>
</table>

**Canadian WHMIS Information**

Not regulated.
**Revision Information**

Update to formula and conversion to GHS Safety Data Sheet format.

**Key/Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

**Disclaimer**

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. **No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers.** The data contained on this sheet apply to the product as supplier to the user.

End of Sheet 820165