

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

ArmaKleen M-100BCR Solution

**Product Code**

Not applicable.

**Product Use**

Cleaner. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

**Restrictions on Use**

None known

**MANUFACTURER**

Church & Dwight  
The ArmaKleen™ Company  
469 North Harrison Street  
Princeton, NJ 08543  
Phone: (800) 332-5424  
[www.churchdwight.com](http://www.churchdwight.com)

**SUPPLIER**

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 200  
Richardson, TX 75080  
Phone: 1-800-669-5740  
[www.safety-kleen.com](http://www.safety-kleen.com)

**IMPORTER/DISTRIBUTOR**

Safety-Kleen Canada Inc.  
25 Regan Road  
Brampton, Ontario, Canada L1A 1B2  
Phone: 1-800-669-5740

**Emergency Telephone Number**

Medical: 1-888-234-1828 Chemical: 1-800-424-9300 (CHEMTREC)

**Issue Date**

April 3, 2017

**Supersedes Issue Date**

New Issue SDS

**Original Issue Date**

April 3, 2017

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States**

Skin Sensitization - Category 1A

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Warning

**Hazard Statement(s)**

May cause an allergic skin reaction.

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## Precautionary Statement(s)

### Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wash thoroughly after handling. Wear protective gloves.

### Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Storage

None needed according to classification criteria.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS          | Component Name                                   | Percent   |
|--------------|--|-----------|
| 7732-18-5    | Water  | 91-99     |
| 6132-04-3    | Trisodium citrate dihydrate                      | 0.77-0.85 |
| 1984-06-1    | Sodium caprylate                                 | 0.55-0.61 |
| 1356964-77-6 | 9-Decenamamide, N,N-dimethyl-                    | 0.45-0.55 |
| 31138-65-5   | D-gluco-Heptonic acid, monosodium salt, (2.xi.)- | 0.38-0.42 |

## Section 4 - FIRST AID MEASURES

### Inhalation

IF INHALED: If adverse effects occur, remove to uncontaminated area. Call a POISON CENTER or doctor if you feel unwell.

### Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

### Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately get medical attention.

### Most Important Symptoms/Effects

#### Acute

Allergic skin reaction.

#### Delayed

No information on significant adverse effects.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

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## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use media suitable for surrounding fire.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Negligible fire hazard. Avoid friction, static electricity and sparks.

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce oxides of carbon, oxides of sodium.

### Fire Fighting Measures

Move undamaged containers from fire area. Cool containers with water spray until well after the fire is out.

### Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Remove all sources of ignition. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

### Environmental Precautions

Avoid release to the environment.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Keep away from heat, sparks and naked flames. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin and clothing.

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

Further information on storage conditions: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame or other sources of ignition. Empty product containers may contain product residue.

### Incompatible Materials

Acids, oxidizing materials, reducing agents.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

There are no constituents of the product which have a PEL, TLV, or other recommended exposure limit.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

#### Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

#### Glove Recommendations

Where skin contact is likely, wear impervious gloves.

#### Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves, lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                   |   |                   |
|---------------------------------|-------------------|---|-------------------|
| <b>Appearance</b>               | Clear, yellow     | <b>Physical State</b>                         | Liquid            |
| <b>Odor</b>                     | Sweet ,soapy odor | <b>Color</b>                                  | Clear to yellow   |
| <b>Odor Threshold</b>           | Not available     | <b>pH</b>                                     | 9.5 - 9.8         |
| <b>Melting Point</b>            | Not available     | <b>Boiling Point</b>                          | 212°F (100 °C)    |
| <b>Boiling Point Range</b>      | Not available     | <b>Freezing point</b>                         | Not available     |
| <b>Evaporation Rate</b>         | Not available     | <b>Flammability (solid, gas)</b>              | Not applicable    |
| <b>Autoignition Temperature</b> | Not available     | <b>Flash Point</b>                            | Not available     |
| <b>Lower Explosive Limit</b>    | Not available     | <b>Decomposition temperature</b>              | Not available     |
| <b>Upper Explosive Limit</b>    | Not available     | <b>Vapor Pressure</b>                         | Not available     |
| <b>Vapor Density (air=1)</b>    | Not available     | <b>Specific Gravity (water=1)</b>             | 17.50 mmHg=@ 20°C |
| <b>Water Solubility</b>         | Soluble           | <b>Partition coefficient: n-octanol/water</b> | Not available     |
| <b>Viscosity</b>                | Not available     | <b>Kinematic viscosity</b>                    | Not available     |
| <b>Solubility (Other)</b>       | Not available     | <b>Density</b>                                | Not available     |

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|  |  |                         |               |
|--|--|-------------------------|---------------|
| <b>Physical Form</b>                             | Liquid   | <b>Molecular Weight</b> | Not available |
| <b>Volatile Organic Compounds (As Regulated)</b> | 0.9 WT%; 0.074 lb/US gal; 9 g/L; As per 40 CFR Part 51.100(s)<br>Product Vapor Pressure @ 20°C = 17.50 mmHg<br>Product does not contain photochemically reactive solvents. |                         |               |

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition.

### Incompatible Materials

Acids, oxidizing materials, reducing agents.

### Hazardous decomposition products

None under normal temperatures and pressures. See also SECTION 5: Hazardous Combustion Products.

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

#### Skin Contact

May cause an allergic skin reaction. May cause irritation.

#### Eye Contact

May cause irritation.

#### Ingestion

No information on significant adverse effects.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

None available.

#### Product Toxicity Data

#### Acute Toxicity Estimate

Not available.

#### Immediate Effects

May cause allergic skin reaction.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

May cause irritation.

#### Respiratory Sensitization

No information on significant adverse effects.

#### Dermal Sensitization

May cause an allergic skin reaction.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

#### Germ Cell Mutagenicity

No data available.

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### **Tumorigenic Data**

No data available

### **Reproductive Toxicity**

No data available.

### **Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

### **Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified.

### **Aspiration hazard**

No significant target effects reported.

### **Medical Conditions Aggravated by Exposure**

No data available.

## **Section 12 - ECOLOGICAL INFORMATION**

### **Component Analysis - Aquatic Toxicity**

No information available for the product.

### **Persistence and Degradability**

No information available for the product.

### **Bioaccumulative Potential**

No information available for the product.

### **Mobility**

No information available for the product.

### **Other Toxicity**

No information available for the product.

## **Section 13 - DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Dispose in accordance with federal, state, provincial, and local regulations.

### **Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

## **Section 14 - TRANSPORT INFORMATION**

### **Component Marine Pollutants (IMDG)**

Not a marine pollutant.

### **US DOT Information:**

UN/NA #: Not regulated as a dangerous good

### **IMDG Information:**

UN#: Not regulated as a dangerous good

### **TDG Information:**

UN#: Not regulated as a dangerous good

### **International Bulk Chemical Code**

None available for this product.

## **Section 15 - REGULATORY INFORMATION**

### **U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

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|   |  |
|---|--|
| <b>D-gluco-Heptonic acid, monosodium salt, (2.xi.)-</b> | <b>31138-65-5</b>                        |
| TSCA 12b:   | Section 4 , 1 % de minimus concentration |

**SARA Section 311/312 (40 CFR 370 Subparts B and C) 2016 reporting categories**

**Acute Health: Yes Chronic Health: No Fire: No Pressure: No Reactivity: No**

**SARA Section 311/312 (40 CFR 370 Subparts B and C) 2017 reporting categories**

Respiratory/Skin Sensitization

**U.S. State Regulations**

None listed on state hazardous substance lists.

**Not listed under California Proposition 65**

**Canada Regulations**

WHMIS Classification: D2B.

**Canadian WHMIS Ingredient Disclosure List (IDL)**

No components listed.

**Component Analysis - Inventory**

**Trisodium citrate dihydrate (6132-04-3)**

| US | CA | EU | AU  | PH  | JP - ENCS | JP - ISHL | KR KECI - Annex 1 | KR KECI - Annex 2 | KR - REACH CCA | CN  | NZ  | MX | TW  |
|----|----|----|-----|-----|-----------|-----------|-------------------|-------------------|----------------|-----|-----|----|-----|
| No | No | No | Yes | Yes | No        | No        | No                | No                | No             | Yes | Yes | No | Yes |

**Sodium caprylate (1984-06-1)**

| US  | CA  | EU  | AU  | PH  | JP - ENCS | JP - ISHL | KR KECI - Annex 1 | KR KECI - Annex 2 | KR - REACH CCA | CN  | NZ  | MX | TW  |
|-----|-----|-----|-----|-----|-----------|-----------|-------------------|-------------------|----------------|-----|-----|----|-----|
| Yes | DSL | EIN | Yes | Yes | Yes       | Yes       | Yes               | No                | No             | Yes | Yes | No | Yes |

**9-Decenamamide, N,N-dimethyl- (1356964-77-6)**

| US  | CA  | EU | AU  | PH | JP - ENCS | JP - ISHL | KR KECI - Annex 1 | KR KECI - Annex 2 | KR - REACH CCA | CN | NZ | MX | TW  |
|-----|-----|----|-----|----|-----------|-----------|-------------------|-------------------|----------------|----|----|----|-----|
| Yes | DSL | No | Yes | No | No        | No        | No                | No                | No             | No | No | No | Yes |

**D-gluco-Heptonic acid, monosodium salt, (2.xi.)- (31138-65-5)**

| US  | CA  | EU  | AU  | PH  | JP - ENCS | JP - ISHL | KR KECI - Annex 1 | KR KECI - Annex 2 | KR - REACH CCA | CN  | NZ  | MX | TW  |
|-----|-----|-----|-----|-----|-----------|-----------|-------------------|-------------------|----------------|-----|-----|----|-----|
| Yes | DSL | EIN | Yes | Yes | Yes       | Yes       | Yes               | No                | No             | Yes | Yes | No | Yes |

## Section 16 - OTHER INFORMATION

**NFPA Ratings**

Health: 2 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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## Summary of Changes

New Issue SDS

## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; 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; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; NDSL - Non-Domestic Substance List (Canada); 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; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

## Other Information

**This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Product Regulations (HPR)**

### 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, ArmaKleen 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 supplied to the user.