Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
ArmaKleen Paint and Ink Remover: Mixture

Product Code
Not applicable.

Synonyms
Not available.

Product Use
Organic paint and ink and paint coating removal system. Product is designed to remove paints and inks from aluminum and steel. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use
For professional use only.

MANUFACTURER
Church & Dwight
The ArmaKleen™ Company
469 North Harrison Street
Princeton, NJ 08543
Phone: (800) 332-5424
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

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
March 6, 2017

Supersedes Issue Date
April 29, 2015

Original Issue Date
September 1, 2004

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

Acute Toxicity - Inhalation - Dust/Mist - Category 4
Serious Eye Damage/Eye Irritation - Category 2A
Skin Sensitization - Category 1A
GHS Label Elements
Symbol(s)

Signal Word
Danger.

Hazard Statement(s)
Harmful if inhaled.
Causes serious eye irritation.
May cause allergic skin reaction.
HOT LIQUID CAN CAUSE SEVERE BURNS TO THE EYES AND SKIN which can result in permanent eye damage.

Precautionary Statement(s)

Prevention
Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Use in an enclosure with local exhaust only. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Response
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. 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: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage
Store locked up. Do not store below 40°F.

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

Statement of Unknown Toxicity
0% of the mixture consists of ingredient(s) of unknown acute toxicity.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>38-42</td>
</tr>
<tr>
<td>100-51-6</td>
<td>Benzyl alcohol</td>
<td>36-39</td>
</tr>
<tr>
<td>124-68-5</td>
<td>2-Amino-2-methyl-1-propanol</td>
<td>5.9-6.6</td>
</tr>
<tr>
<td>68439-46-3</td>
<td>Alcohols, C9-11, ethoxylated</td>
<td>1.2-1.3</td>
</tr>
<tr>
<td>34398-01-1</td>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-</td>
<td>1.2-1.3</td>
</tr>
</tbody>
</table>
Safety Data Sheet
Material Name: ArmaKleen Paint and Ink Remover: Mixture
SDS ID: 82978

Section 4 - FIRST AID MEASURES

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. For thermal burns caused by contact with hot product, remove affected clothing and shoes. Wash skin thoroughly with cool water. Apply cool-packs or ice.

Eyes
IF IN EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irritation of all eye and lid tissue. Remove contact lenses, if present, after the first five minutes and continue rinsing the eye. Immediately call a POISON CENTER or doctor/physician.

Ingestion
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms/Effects
Acute
Harmful if inhaled. Causes serious eye irritation. May cause allergic skin reaction.

Delayed
Repeated exposure may cause skin dryness or cracking.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively. HOT LIQUID CAN CAUSE SEVERE BURNS TO THE EYES AND SKIN which can result in permanent eye damage.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media
Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media
Do not use high-pressure water streams.

Special Hazards Arising from the Chemical
Negligible fire hazard.

Hazardous Combustion Products
Decomposition and combustion materials may be toxic. Burning may produce Carbon monoxide.

Fire Fighting Measures
Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

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
May create slippery conditions when spilled. Do not touch or walk through spilled product. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

Environmental Precautions
Prevent material from entering drains or sewers.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Keep away from sparks or flame. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities
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 heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Incompatible Materials
Strong acids, reducing agents, oxidizers

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits
Canada and ACGIH have not developed exposure limits for any of this product's components.

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 needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

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 gloves impervious to product; use of natural rubber (latex) or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, whole body suits or other protective clothing. When product is heated and skin contact is likely, wear heat-resistant gloves, boots, and other protective clothing.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, Pale yellow liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>aromatic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&lt;0 °C</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Equal to water</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>321 °C (609°F)</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>8.4 lb/US gal (1009 g/L)</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>pH</td>
<td>10 - 11</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;121 °C (250°F)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>109 °C (228°F)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>15 mm Hg @ 20 °C</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>1.009</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Volatile Organic Compounds (As regulated)</td>
<td>47.2 WT%; 3.96 LB/US gal; 475 g/L; As per 40 CFR Part 51.100(s)</td>
</tr>
<tr>
<td>Product Vapor Pressure @20°C</td>
<td>15.0 mmHg</td>
</tr>
<tr>
<td>Product does not contain photochemically reactive solvents</td>
<td></td>
</tr>
<tr>
<td>VOC Vapor Pressure &lt;0.1 mm Hg @ 68°F (20°C)</td>
<td></td>
</tr>
</tbody>
</table>

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**
- May react on contact with Strong acid.

**Chemical Stability**
- Stable under normal temperatures and pressures.

**Possibility of Hazardous Reactions**
- Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

**Conditions to Avoid**
- Avoid sparks or flame, direct sunlight, moisture.

**Incompatible Materials**
- Avoid oxidizing agents, reducing agents, strong acids.

**Hazardous decomposition products**
- None under normal temperatures and pressures. See also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.

**Thermal decomposition products**
- Carbon monoxide.
Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
Harmful if inhaled. May cause narcotic effects in high concentrations. Symptoms may include headache, dizziness, nausea, loss of coordination.

Skin Contact
May cause skin irritation. May cause an allergic skin reaction.

Eye Contact
Causes serious eye irritation. May cause blurred vision and tearing.

Ingestion
May be harmful if swallowed. May cause irritation.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:

Benzyl alcohol (100-51-6)
Oral LD50 Rat 1230 mg/kg; Dermal LD50 Rabbit 2 g/kg; Inhalation LC50 Rat 8.8 mg/L 4 h

2-Amino-2-methyl-1-propanol (124-68-5)
Oral LD50 Rat 2900 mg/kg (in physiological saline); Dermal LD50 Rabbit >2000 mg/kg (no deaths occurred)

Alcohols, C9-11, ethoxylated (68439-46-3)
Oral LD50 Rat 1400 mg/kg:

Sodium xylenesulfonate (1300-72-7)
Oral LD50 Rat 1000 mg/kg

Product Toxicity Data

Product Analysis LD/LC 50 Toxicity Values

| Inhalation LC50 | 4 mg/l 4 hr |

Acute Toxicity Estimate
No data available.

Immediate Effects
Harmful if inhaled. Causes serious eye irritation. May cause allergic skin reaction.

Delayed Effects
Repeated exposure may cause skin dryness or cracking.

Irritation/Corrosivity Data
Causes serious eye irritation. May cause respiratory tract irritation and skin irritation.

Respiratory Sensitization
Based on best current information, there is no known human sensitization associated with this product.

Dermal Sensitization
No information on significant adverse effects. May cause allergic skin reaction.

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

Germ Cell Mutagenicity
Based on best current information, there is no known teratogenicity associated with this product.
Experimental evidence suggests that this product does not cause mutagenesis.

Tumorigenic Data
No data available

Reproductive Toxicity
Based on best current information, there is no known reproductive toxicity associated with this product.
Specific Target Organ Toxicity - Single Exposure
No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.

Aspiration hazard
Based on available data, the classification criteria are not met.

Medical Conditions Aggravated by Exposure
Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

---

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Aquatic Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td><img src="image" alt="Table Image" /></td>
</tr>
<tr>
<td>Fish:</td>
<td>LC50 96 h Pimephales promelas 460 mg/L [static ]; LC50 96 h Lepomis macrochirus 10 mg/L [static ]</td>
</tr>
<tr>
<td>Invertebrate:</td>
<td>EC50 48 h water flea 23 mg/L</td>
</tr>
<tr>
<td>2-Amino-2-methyl-1-propanol</td>
<td>124-68-5</td>
</tr>
<tr>
<td>Fish:</td>
<td>LC50 96 h Lepomis macrochirus 190 mg/L [static ]</td>
</tr>
<tr>
<td>Algae:</td>
<td>EC50 72 h Desmodesmus subspicatus 520 mg/L IUCLID</td>
</tr>
<tr>
<td>Invertebrate:</td>
<td>EC50 48 h Daphnia magna 193 mg/L IUCLID</td>
</tr>
</tbody>
</table>

Invertebrate Toxicity
No additional information is available.

Persistence and Degradability
No information available for the product.

Bioaccumulative Potential
No information available for the product.

Mobility
No information available for the product.

---

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
U.S. EPA has not published waste numbers for this product’s components. Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact ArmaKleen regarding proper recycling or disposal.

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Section 14 - TRANSPORT INFORMATION

US DOT Information: Not regulated for transport.
IATA Information: Not regulated for transport.
TDG Information: Not regulated for transport.
Section 15 - REGULATORY INFORMATION

Canada Regulations
CEPA - Priority Substances List
None of this product's components are on the list.

Ozone Depleting Substances
None of this product's components are on the list.

Council of Ministers of the Environment - Soil Quality Guidelines
None of this product's components are on the list.

Council of Ministers of the Environment - Water Quality Guidelines
None of this product's components are on the list.

U.S. Federal Regulations
None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: No Fire: No Pressure: No Reactivity: No

Component Analysis - Inventory
Benzyl alcohol (100-51-6), 2-Amino-2-methyl-1-propanol (124-68-5), Alcohols, C9-11, ethoxylated (68439-46-3), Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy- (34398-01-1), Sodium xylenesulfonate (1300-72-7), Acetic acid, hydroxyphosphono- (23783-26-8)

US CA
Yes DSL

Not listed under California Proposition 65.

Section 16 - OTHER INFORMATION

NFPA Ratings
Health: 2 Fire: 0 Reactivity: 0
Hazard Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

Summary of Changes
Revision to comply with WHMIS 2015

Key / Legend
ACGIH - American Conference of Governmental Industrial Hygienists; 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; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; 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; 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; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act;
Safety Data Sheet

Material Name: ArmaKleen Paint and Ink Remover: Mixture                        SDS ID: 82978


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.