



## Safety Data Sheet

Material Name: ArmaKleen 4 in 1 Cleaner Concentrate

SDS ID: 820071

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

ArmaKleen 4 in 1 Cleaner Concentrate

**Product Code**

6365, 6466, 6366

Formula Code 42000146

**Synonyms**

Not available.

**Product Use**

Aqueous, alkaline, concentrated cleaner that is to be diluted with water and used for cleaning aluminum, magnesium, titanium, ferrous and non-ferrous alloys as well as plastic, glass, and composite materials.

Concentrated cleaner must be diluted prior to use to meet local and state VOC emission regulations. 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](http://www.churchdwight.com)

**SUPPLIER (in the U.S.A.)**

Safety-Kleen Systems, Inc.  
42 Longwater Drive  
Norwell, MA 02061-9149  
Phone: 1-800-669-5740  
[www.safety-kleen.com](http://www.safety-kleen.com)

**SUPPLIER (in Canada)**

Safety-Kleen Canada Inc.  
25 Regan Road  
Brampton, Ontario, Canada L7A 1B2  
Phone: 1-800-669-5740

**Emergency Telephone Number**

Medical: 1-888-234-1828 Chemical: 1-800-255-3924 (CHEMTEL)

**Issue Date**

May 5, 2021

**Supersedes Issue Date**

March 21, 2021

**Original Issue Date**

October 22, 2009

### 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 - Oral - Category 4

Skin Corrosion/Irritation - Category 1

Serious Eye Damage/Eye Irritation - Category 1

Skin Sensitization - Category 1A

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Health Hazard Not Otherwise Classified – Category 1

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## GHS Label Elements

### Symbol(s)



### Signal Word

Danger

### Hazard Statement(s)

- Harmful if swallowed.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- May cause damage to organs through prolonged or repeated exposure.
- Causes severe damage to the respiratory tract.

### Precautionary Statement(s)

#### Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

#### Response

If exposed or concerned: Call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. 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. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

#### Storage

Store locked up. Do not store below 40°F (4.4°C).

#### Disposal

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

#### Statement(s) of Unknown Acute Toxicity

Oral 59% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### Other hazards

Repeated exposure may cause skin dryness or cracking. Contact with diluted heated product can cause serious thermal burns.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7732-18-5	Water	53-60
124-07-2	Octanoic acid	5.0-5.5
68439-46-3	Alcohols, C9-11, ethoxylated	3.8-4.2

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61791-26-2	Amines, tallow alkyl, ethoxylated	2.9-3.2
1310-73-2	Sodium hydroxide	2.5-2.7
497-19-8	Disodium carbonate	1.9-2.1
110-15-6	Succinic acid	1.6-1.8
23783-26-8	Acetic acid, hydroxyphosphono-	2.9-3.2

## Section 4 - FIRST AID MEASURES

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Call a POISON CENTER or doctor. For thermal burns caused by diluted heated product, remove affected clothing and shoes. Wash thoroughly with cool water. Apply cool packs or ice.

### 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.

### Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

### Most Important Symptoms/Effects

#### Acute

Harmful if swallowed. Causes skin burns, eye burns, allergic skin reaction. Causes severe damage to the respiratory tract. Contact with diluted heated product can cause severe burns to the eyes and skin and can result in permanent eye damage.

#### Delayed

Repeated exposure may cause skin dryness or cracking. May cause damage to organs through prolonged or repeated exposure.

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

Treat symptomatically and supportively.

## 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. Avoid using a direct stream of water.

### Special Hazards Arising from the Chemical

Negligible fire hazard. Heated diluted product may cause thermal burns.

### Hazardous Combustion Products

Burning may produce carbon monoxide, nitrogen oxide.

### Advice for firefighters

Containers may rupture if heated or exposed to continual naked flame.

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## 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

Spilled product is slippery. Remove all ignition sources. 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 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, tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Keep away from naked flame. Do not breathe dust or vapors. 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

Do not store below 40°F (4.4°C). Store locked up. 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 naked flame. Empty product containers may retain product residue and can be dangerous. May be corrosive to metals.

### Incompatible Materials

Strong acids, metals, reducing agents, oxidizers.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

Sodium hydroxide	1310-73-2
Alberta , British Columbia, Manitoba, New Brunswick, Quebec, Northwest Territories, Nova Scotia, Nunavut, Ontario, Prince Edward Island, Yukon	2 mg/m3 Ceiling
ACGIH:	2 mg/m3 Ceiling

### 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.

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## 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 requirements must be followed whenever workplace conditions warrant use of a respirator. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

### Skin Protection/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 diluted 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

<b>Appearance</b>	Amber clear liquid	<b>Physical State</b>	Liquid
<b>Odor</b>	Mild	<b>Color</b>	Clear, amber
<b>Odor Threshold</b>	Not available	<b>pH</b>	11.9 (aqueous solution)
<b>Melting Point</b>	0°C	<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 available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	>212°F (100°C)
<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>	1.055
<b>Water Solubility</b>	(complete)	<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
<b>Molecular Weight</b>	Not available		

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2.5% Solution 0.51 WT%; 0.044 LB/US gal; 5.25 g/L; As per 40 CFR Part 51.100(s)  
5.0% Solution 1.02 WT%; 0.088 LB/US gal; 10.5 g/L; As per 40 CFR Part 51.100(s)  
10% Solution 2.04 WT%; 0.175 LB/US gal; 21g/L; As per 40 CFR Part 51.100(s)

100% Concentrate 21.1 WT%; 1.76 LB/US gal; 210.92 g/L; As per 40 CFR Part 51.100(s)  
Product Vapor Pressure @20°C = 17.5 mmHg

## Volatile Organic

### Compounds (As regulated)

This product, when diluted, is explicitly listed as either an “exempted” or a “Clean Air Solvent” by the South Coast Air Quality Management District (SCAQMD) because it does not contain reactive volatile organic compounds (VOCs) that can react with sunlight and nitrogen-dioxides to create ground-based ozone (smog). Consult with your state/local air pollution control agency and their rules/regulations for specific direction in your specific area. [www.aqmd.gov](http://www.aqmd.gov)

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

May react on contact with strong acids.

### 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 naked flame and direct sunlight.

### Incompatible Materials

Strong acids, reducing agents, oxidizers.

### Hazardous decomposition products

Oxides of carbon, nitrogen oxides. See also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.

### Thermal decomposition products

Carbon monoxide, nitrogen oxides (NOx).

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

Causes severe damage to the respiratory tract.

#### Skin Contact

Causes burns. May cause allergic skin reaction. Contact with diluted heated product may cause serious thermal burns.

#### Eye Contact

Causes eye burns.

#### Ingestion

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:

##### Octanoic acid (124-07-2)

Oral LD50 Rat 10080 mg/kg; Dermal LD50 Rabbit >5 g/kg (no deaths occurred)

##### Alcohols, C9-11, ethoxylated (68439-46-3)

Oral LD50 Rat 1400 mg/kg

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**Amines, tallow alkyl, ethoxylated (61791-26-2)**

Oral LD50 Rat 500 mg/kg

**Sodium hydroxide (1310-73-2)**

Oral LD50 Rat 325 mg/kg; Dermal LD50 Rabbit 1350 mg/kg

**Disodium carbonate (497-19-8)**

Oral LD50 Rat 4090 mg/kg

**Succinic acid (110-15-6)**

Oral LD50 Rat 2260 mg/kg

**Product Toxicity Data**

**Acute Toxicity Estimate**

Dermal	> 2000 mg/kg
Oral	1001.0732 mg/kg

**Immediate Effects**

Harmful if swallowed. Causes burns, eye burns, skin burns. May cause allergic skin reaction. Causes severe damage to the respiratory tract.

**Delayed Effects**

Repeated exposure may cause skin dryness or cracking. May cause damage to organs through prolonged or repeated exposure.

**Irritation/Corrosivity Data**

Causes burns. Causes severe damage to the respiratory tract. Contact with diluted heated product may cause burns.

**Respiratory Sensitization**

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

**Dermal Sensitization**

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.

**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**

May cause damage to organs through prolonged or repeated exposure.

**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.

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## Section 12 - ECOLOGICAL INFORMATION

### Component Analysis - Aquatic Toxicity

<b>Octanoic acid</b>	<b>124-07-2</b>
Fish:	LC50 96 h Oryzias latipes 310 mg/L [semi-static ]; LC50 96 h Brachydanio rerio 110 mg/L [semi-static ]
<b>Sodium hydroxide</b>	<b>1310-73-2</b>
Fish:	LC50 96 h Oncorhynchus mykiss 45.4 mg/L [static ]
<b>Disodium carbonate</b>	<b>497-19-8</b>
Fish:	LC50 96 h Lepomis macrochirus 300 mg/L [static ]; LC50 96 h Pimephales promelas 310 - 1220 mg/L [static ]
Invertebrate:	EC50 48 h Daphnia magna 265 mg/L IUCLID
<b>Succinic acid</b>	<b>110-15-6</b>
Fish:	LC50 96 h Danio rerio >100 mg/L [semi-static ]

### 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

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.

## Section 14 - TRANSPORT INFORMATION

**US DOT Information:** Not regulated for transport.

**IATA Information:** Not regulated for transport.

**TDG Information:** Not regulated for transport.



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### International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

<b>Octanoic acid</b>	<b>124-07-2</b>
IBC Code:	Category Y (all isomers )
<b>Alcohols, C9-11, ethoxylated</b>	<b>68439-46-3</b>
IBC Code:	Category Y
<b>Amines, tallow alkyl, ethoxylated</b>	<b>61791-26-2</b>
IBC Code:	Category X (>95% )
<b>Sodium hydroxide</b>	<b>1310-73-2</b>
IBC Code:	Category Y (solution )

### 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

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.

<b>Sodium hydroxide</b>	<b>1310-73-2</b>
CERCLA:	1000 lb final RQ ; 454 kg final RQ

#### California

Not listed under California Proposition 65.

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### Component Analysis - Inventory

#### Octanoic acid (124-07-2)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

#### Alcohols, C9-11, ethoxylated (68439-46-3)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	No	No	No	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

#### Amines, tallow alkyl, ethoxylated (61791-26-2)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	No	No	No	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	No	Yes	Yes

#### Sodium hydroxide (1310-73-2)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
Yes			Yes	Yes	Yes	Yes	Yes	Yes

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**Disodium carbonate (497-19-8)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Succinic acid (110-15-6)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

**Acetic acid, hydroxyphosphono- (23783-26-8)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	ELN	No	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			No	Yes	Yes	Yes	Yes	Yes

## Section 16 - OTHER INFORMATION

**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 Products Regulations (HPR).

**NFPA Ratings**

Health: 1 Fire: 0 Reactivity: 0

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

**Summary of Changes**

Update to chemical emergency phone number and VOC information.

**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; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD

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- 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; F - Background (for Venezuela Biological Exposure Indices); 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; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); 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; Sc - Semi-quantitative; 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); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

## **Other Information**

### **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.