

ADVANTUS

Advantus Corporation 12276 San Jose Blvd. Ste. 618 Jacksonville, FL, USA, 32223 Telephone: (904) 482-0091

Alcohol-free ScreenKleen, TouchScreen Cleaning System

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: Alcohol-free ScreenKleen, TouchScreen Cleaning System

Other means of identification: RR1291, RR1391, RR1491, RR44007

Recommended use of the chemical and restrictions on use

: Surface cleaner

Recommended restrictions: Not intended to be used on hands/face or body.

Chemical family : Mixture

Name, address, and telephone number of Name, address, and telephone number of

of the supplier: the manufacturer:

Advantus Corporation Refer to supplier

12276 San Jose Blvd., Suite 618

Jacksonville, FL, USA

32223

Supplier's Telephone # : (904) 482-0091

24 Hr. Emergency Tel # : (800) 424-9300 (CHEMTREC)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Towelette/pad with clear, green liquid. Odorless.

This product is packaged and sold as a consumer product. For informational purposes, this product would have the following OSHA Hazcom 2012 and WHMIS 2015 classification.

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

Signal Word

Not required

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

Other hazards

Other hazards which do not result in classification:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.





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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
1-Methoxy-2-hydroxypropane	1-Methoxy-2-Propanol alpha-PGME	107-98-2	1.0 - 5.0
2-Propanol, 1-butoxy-	Propylene glycol monobutyl ether	5131-66-8	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

: None required when used as intended. In the case of accident or if you feel unwell,

seek medical advice immediately (show the label where possible).

Inhalation : None required when used as intended. Call a POISON CENTER or doctor/physician if

you feel unwell.

Skin contact: None required when used as intended. If skin irritation or rash occurs: Get medical

advice/attention.

Eye contact : If in eyes: Rinse cautiously with water for several minutes. If irritation persists, seek

prompt medical attention.

Most important symptoms and effects, both acute and delayed

: Direct eye contact may cause slight or mild, transient irritation. May cause an allergic skin reaction (e.g. swelling, rash and eczema).

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use media suitable to the surrounding fire such as water fog or fine spray, alcohol

foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Burning may produce irritating, toxic and obnoxious fumes.

Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

Hazardous combustion products

: Carbon oxides ;Other irritating fumes and smoke.

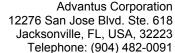
Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

: Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Dike for water control.





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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Restrict access to area until completion of clean-up.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. **Methods and material for containment and cleaning up**

: Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

US CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

 Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing mist or vapor. Keep containers tightly closed when not in use. Do not ingest or swallow.

Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed.

Incompatible materials

: None known or reported by the manufacturer.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH TLV		<u>OSH</u>	A PEL
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
1-Methoxy-2-hydroxypropane	50 ppm	100 ppm	N/Av	N/Av
2-Propanol, 1-butoxy-	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

General hygiene considerations

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection : None required under normal conditions.

Skin protection : None required under normal conditions.

Eye / face protection : None required under normal conditions.

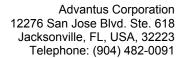
Other protective equipment : None required under normal conditions.

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Towelette/pad with clear, green liquid.

Odour : Odorless





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Odour threshold : Not available.

pH : Not available.

Melting Point/Freezing point : Not available.

Initial boiling point and boiling range

: 100°C

Flash point : Not available.
Flashpoint (Method) : Not available.
Evaporation rate (BuAe = 1) : Not available.
Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

Not applicable.

Upper flammable limit (% by vol.)

Not applicable.

Oxidizing properties : Not applicable
Explosive properties : Not explosive
Vapour pressure : Not available.
Vapour density : Not available.

Relative density / Specific gravity

: Approximately 1.08

Solubility in water : insoluble
Other solubility(ies) : Not available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

Auto-ignition temperature:Not applicable.Decomposition temperature:Not available.Viscosity:Not available.Volatiles (% by weight):Not available.

Volatile organic Compounds (VOC's)

Not available.

Absolute pressure of container

: Not applicable.

Flame projection length : Not applicable.

Other physical/chemical comments

No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: This product is not reactive.

Chemical stability : Material is stable under normal conditions.

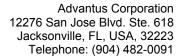
Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Extremes of temperature and direct sunlight.Incompatible materials : None known or reported by the manufacturer.

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.





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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

May cause respiratory irritation. Symptoms may include sore throat, running nose and

shortness of breath.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skinDirect skin contact may cause slight or mild, transient irritation.Sign and symptoms eyesDirect eye contact may cause slight or mild, transient irritation.

Potential Chronic Health Effects

: Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material: Not expected to be a skin or respiratory sensitizer. May cause an allergic skin reaction

(e.g. hives, rash) in some hypersensitive individuals.

Specific target organ effects: This material is not classified as hazardous under U.S. OSHA regulations (29CFR

1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products

Regulations) (WHMIS 2015).

Medical conditions aggravated by overexposure

: None known.

Synergistic materials

: Not available.

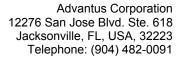
Toxicological data : There is no available data for the product itself, only for the ingredients. See below for

individual ingredient acute toxicity data.

	LC50(4hr)	LDs	50	
Chemical name	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)	
1-Methoxy-2-hydroxypropan e	15 000 ppm (55.3 mg/L) (vapour)	4016 mg/kg	> 2000 mg/kg (No mortality)	
2-Propanol, 1-butoxy-	650 ppm (no deaths)	>3200mg/kg	>2000mg/kg	

Other important toxicological hazards

: None known or reported by the manufacturer.





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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Not classified for hazards to the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecotoxicity data:

lu anno di o neto	04011	Toxicity to Fish				
<u>Ingredients</u>	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
1-Methoxy-2-hydroxypropane	107-98-2	20 800 mg/L (Fathead minnow)	> 1000 mg/L (estimated)	None.		
2-Propanol, 1-butoxy-	5131-66-8	560mg/L (Poecilia Reticulata)	N/Av	None.		

<u>Ingredients</u>	CAS No	Toxicity to Daphnia			
		EC50 / 48h	NOEC / 21 day	M Factor	
1-Methoxy-2-hydroxypropane	107-98-2	23 300 mg/L (Daphnia magna)	210 mg/L (estimated)	None.	
2-Propanol, 1-butoxy-	5131-66-8	1000 mg/L (Daphnia magna)	N/Av	None.	

<u>Ingredients</u>	CAS No	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
1-Methoxy-2-hydroxypropane	107-98-2	> 1000 mg/L/96hr (Green algae)	160 mg/L/96hr (estimated)	None.		
2-Propanol, 1-butoxy-	5131-66-8	>1000mg/L (Selenastrum capricornutum)	560mg/L (Selenastrum capricornutum)	None.		

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential: No data is available on the product itself.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
1-Methoxy-2-hydroxypropane (CAS 107-98-2)	- 0.49 (estimated)	3.2 (calculated)
2-Propanol, 1-butoxy- (CAS 5131-66-8)	1.2	3.16

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.



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SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Methods of Disposal

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

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	\bigotimes
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	Not regulated	none	\bigotimes
TDG Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	\bigotimes
IMDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	\bigotimes
ICAO/IATA Additional information	None.				

Special precautions for user: None known or reported by the manufacturer.

Environmental hazards : This substance does not meet the criteria for an environmentally hazardous substance

according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

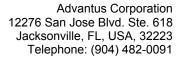
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:





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<u>Ingredients</u>	CAS # TSCA Inventory		CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
			Quantity(RQ) (40 CFR 117.302): Hazardous Substance, 40 CFR 355:		Toxic Chemical	de minimus Concentration	
1-Methoxy-2-hydroxyprop ane	107-98-2	Yes	None.	None.	No	N/Ap	
2-Propanol, 1-butoxy-	5131-66-8	Yes	None.	None.	No	N/Ap	

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS#	California Proposition 65		State "Right to Know" Lists					
	OAO#	Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
1-Methoxy-2-hydroxypropa ne	107-98-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
2-Propanol, 1-butoxy-	5131-66-8	No	N/Ap	No	No	No	Yes	Yes	No

Canadian Information:

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
1-Methoxy-2-hydroxypro pane	107-98-2	203-539-1	Present	Present	(7)-97; (2)-404	KE-23379	Present	HSR001187
2-Propanol, 1-butoxy-	5131-66-8	225-878-4	Listed	Listed	Listed	Listed	Listed	Listed

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CFR: Code of Federal Regulations CSA: Canadian Standards Association DOT: Department of Transportation EPA: Environmental Protection Agency HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer



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Inh: Inhalation

LC: Lethal Concentration

LD: Lethal Dose MN: Minnesota N/Ap: Not Applicable N/Av: Not Available

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit TLV: Threshold Limit Values TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

References 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &

Biological Exposure Indices for 2018.

2. International Agency for Research on Cancer Monographs, searched 2019.

3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2019

(Chempendium, HSDB and RTECs). 4. Safety Data Sheets from manufacturer.

5. US EPA Title III List of Lists - June 2019 version.

6. California Proposition 65 List - September 2019 version.

7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,

2019.

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

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Prepared by:

ICC The Compliance Center Inc.

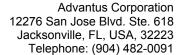
Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)

http://www.thecompliancecenter.com



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