

Version 1.2	Revision Date: 03/19/2015		SDS Number: 329-00003	Date of last issue: 02/10/2015 Date of first issue: 12/11/2014	
SECTION 1. IDENTIFICATION					
Produ	Product name		PURELL® Sanitizing Wipes		
Manu	facturer or supplier's	deta	ils		
Comp	any name of supplier	:	GOJO Industries,	Inc.	
Addre	Address		One GOJO Plaza, Suite 500 Akron OH 44311		
Telepl	none	:	1 (330) 255-6000		
Emerç	Emergency telephone		1-800-424-9300 CHEMTREC		
Recommended use of the o		chem	nical and restriction	ons on use	
Recor	Recommended use		Human hygiene b	iocidal products	
Restrictions on use		:	consumers and o foreseeable use. specifically define exempt from the n While this materia contains valuable proper use of the as well as unusua spills. This SDS s employees and o intended-use guid	I care or cosmetic product that is safe for ther users under normal and reasonably Cosmetics and consumer products, ed by regulations around the world, are requirement of an SDS for the consumer. al is not considered hazardous, this SDS information critical to the safe handling and product for industrial workplace conditions al and unintended exposures such as large should be retained and available for ther users of this product. For specific dance, please refer to the information ackage or instruction sheet.	

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Eye irritation	: Category 2A
GHS Label element Hazard pictograms	
Signal Word	: Warning
Hazard Statements	: H319 Causes serious eye irritation.
Precautionary Statements	: <b>Prevention:</b> P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.



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		for several min to do. Continue	utes. Remove contac e rinsing.	Rinse cautiously with water ct lenses, if present and easy s: Get medical advice/
••	<b>r hazards</b> known.			
SECTION	3. COMPOSITION/IN	FORMATION ON ING	REDIENTS	
Subs	tance / Mixture	: Mixture		
Haza	rdous ingredients			
Chen	nical Name		CAS-No.	Concentration (%)
Benz	alkonium chloride		8001-54-5	>= 0.1 - < 1
SECTION	4. FIRST AID MEAS	URES		
Gene	eral advice	advice immedia	ately.	unwell, seek medical ses of doubt seek medical

If inhaled	If inhaled, remove to fresh Get medical attention if sy	
In case of skin contact	Wash with water and soap Get medical attention if sy	

	Get medical attention il symptoms occur.	
In case of eye contact	<ul> <li>In case of contact, immediately flush eyes with plenty of wate for at least 15 minutes.</li> <li>If easy to do, remove contact lens, if worn.</li> <li>Get medical attention.</li> </ul>	r
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.	
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.	
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.	

### SECTION 5. FIRE-FIGHTING MEASURES

Notes to physician

: Treat symptomatically and supportively.



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Suitable extinguishing media		:	Water spray Alcohol-resistant Dry chemical Carbon dioxide (C		
	Unsuitable extinguishing media		:	None known.	
	Specific hazards during fire fighting		:	Exposure to com	oustion products may be a hazard to health.
	Hazardous combustion prod- ucts		:	No hazardous co	nbustion products are known
	Specific extinguishing methods		:	circumstances an Use water spray t	measures that are appropriate to local d the surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
	Special for fire-	protective equipment fighters	:		e, wear self-contained breathing apparatus. rective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	<ul> <li>Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.</li> </ul>
Methods and materials for containment and cleaning up	<ul> <li>Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.</li> <li>Clean up remaining materials from spill with suitable absorbent.</li> <li>Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.</li> <li>Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.</li> </ul>

### SECTION 7. HANDLING AND STORAGE



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Technical measures		•	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.					
Loca	al/Total ventilation	: Use only with	: Use only with adequate ventilation.					
Advi	ce on safe handling	Do not swallov Do not get in e Avoid prolong Handle in acco practice.						
Con	ditions for safe storage	e : Keep in properly labeled containers. Store in accordance with the particular national regu						
Materials to avoid		: Do not store w Strong oxidizir	vith the following product types: ng agents					

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

### Hazardous components without workplace control parameters

nazardous components witho	at workplace control parameters
Ingredients	CAS-No.
Benzalkonium chloride	8001-54-5
Engineering measures	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
Personal protective equipmen	t
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	
Material	Impervious gloves
Remarks	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Eye protection	Wear the following personal protective equipment: Safety goggles
Skin and body protection	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure



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				t be avoided by using impervious protective aprons, boots, etc).			
Hy	Hygiene measures		<ul> <li>Ensure that eye flushing systems and safety showers are located close to the working place.</li> <li>When using do not eat, drink or smoke.</li> <li>Wash contaminated clothing before re-use.</li> </ul>				
SECTIO	ON 9. PHYSICAL AND CHI	ЕМІС	CAL PROPERTIE	s			
Ар	pearance	:	liquid				
Co	lor	:	clear, Colorless	to pale yellow			
Oc	lor	:	citrus				
Oc	lor Threshold	:	No data availabl	e			
pН		:	5.5 - 8.5				
Me	elting point/freezing point	:	No data availabl	e			
	tial boiling point and boiling nge	:	99 °C				
Fla	ash point	:	> 100 °C				
Ev	aporation rate	:	No data availabl	e			
Fla	ammability (solid, gas)	:	Not applicable				
Up	per explosion limit	:	No data availabl	e			
Lo	wer explosion limit	:	No data availabl	e			
Va	por pressure	:	No data availabl	e			
Re	lative vapor density	:	No data availabl	e			
De	nsity	:	1.0 g/cm3				
	lubility(ies) Water solubility	:	soluble				
	rtition coefficient: n- tanol/water	:	Not applicable				
Au	toignition temperature	:	No data availabl	e			
De	composition temperature	:	The substance of	or mixture is not classified self-reactive.			

Viscosity



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Viscosity, kinematic		: 75 mm2/s (25 °C)		
Explosive properties		: Not explosive		
Oxidizing properties		: The substance	or mixture is not classified as oxidizing.	

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	: Can react with strong oxidizing agents.
Conditions to avoid	: None known.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

<b>Information on likely route</b> Inhalation Skin contact Ingestion Eye contact	es of exposure
Acute toxicity	
Not classified based on ava	ilable information.
Product:	
Acute inhalation toxicity	<ul> <li>Acute toxicity estimate: &gt; 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method</li> </ul>
Acute dermal toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Ingredients:	
Benzalkonium chloride: Acute oral toxicity	: LD50 (Rat): 344 mg/kg Remarks: Based on data from similar materials
Acute inhalation toxicity	<ul> <li>LC50 (Rat): 0.25 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: Based on data from similar materials</li> </ul>



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Acut	te dermal toxicity	: LD50 (Rabbit): 3 Remarks: Based	3,412 mg/kg d on data from similar materials
	n corrosion/irritation classified based on ava	ilable information.	
	<u>duct:</u> ult: No skin irritation		
Ben Spei Resi	edients: zalkonium chloride: cies: Rabbit ult: Corrosive after 3 min narks: Based on data fro	•	sure
	ous eye damage/eye i		
Proc	ses serious eye irritatior <u>duct:</u> ult: Irritation to eyes, rev		
<b>Ben</b> Spe Res	edients: zalkonium chloride: cies: Rabbit ult: Irreversible effects o narks: Based on data fro		
Skin	piratory or skin sensit sensitization: Not class piratory sensitization: No	ified based on available	
	<u>duct:</u> essment: Does not caus	e skin sensitization.	
<b>Ben</b> Test Rou Spe Mett Res	edients: zalkonium chloride: Type: Buehler Test tes of exposure: Skin co cies: Guinea pig nod: OECD Test Guideli ult: negative narks: Based on data fro	ine 406	
	m cell mutagenicity		
	classified based on ava edients:		
	zalkonium chloride:		
	otoxicity in vitro		erial reverse mutation assay (AMES) Test Guideline 471
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			Remarks: Based	on data from similar materials
Geno	toxicity in vivo	:	cytogenetic assay Species: Mouse Application Route Method: OECD T Result: negative	
	nogenicity lassified based on availa	able	nformation.	
Inare	dients:			
	alkonium chloride:			
	ies: Rat			
	cation Route: Ingestion sure time: 2 Years			
Meth	od: OECD Test Guidelin	e 45	3	
	lt: negative arks: Based on data from	n sim	ilar materials	
IARC	;	ec		product present at levels greater than or ntified as probable, possible or confirmed by IARC.
OSH	Α	ec		product present at levels greater than or ntified as a carcinogen or potential carcino-
NTP		ec		product present at levels greater than or ntified as a known or anticipated carcinogen
-	oductive toxicity			
Not c	lassified based on availa	able	nformation.	
	dients:			
-	alkonium chloride:		Test Type: Two-c	in a study
Ellec	ts on fertility	•	Test Type: Two-g Species: Rat	
			Application Route	
			Result: negative	est Guideline 416
				on data from similar materials
Effec	ts on fetal development	:	Test Type: Embry	/o-fetal development
	-		Species: Rabbit	
			Application Route Method: OECD T	e: Ingestion est Guideline 414
			Result: negative	
			Remarks: Based	on data from similar materials



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### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Ingredients:

Benzalkonium chloride: Species: Dog NOAEL: 50 mg/kg Application Route: Ingestion Exposure time: 13 w Method: OECD Test Guideline 409 Remarks: Based on data from similar materials

### Aspiration toxicity

Not classified based on available information.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

<u>Ingredients:</u> Benzalkonium chloride:		
Toxicity to fish	<ul> <li>LC50 (Oncorhynchus mykiss (rainbow trout)): 0.85 mg/l Exposure time: 96 h Remarks: Based on data from similar materials</li> </ul>	
Toxicity to daphnia and other aquatic invertebrates	<ul> <li>EC50 (Daphnia magna (Water flea)): 0.016 mg/l Exposure time: 48 h</li> <li>Method: Directive 67/548/EEC, Annex V, C.2.</li> <li>Remarks: Based on data from similar materials</li> </ul>	
Toxicity to algae	<ul> <li>EC50 (Pseudokirchneriella subcapitata (green algae)): 0.049 mg/l</li> <li>Exposure time: 72 h</li> <li>Method: OECD Test Guideline 201</li> <li>Remarks: Based on data from similar materials</li> </ul>	
	EC10 (Pseudokirchneriella subcapitata (green algae)): 0.009 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: Based on data from similar materials	
M-Factor (Acute aquatic tox- icity)	: 10	
Toxicity to fish (Chronic toxicity)	<ul> <li>NOEC (Pimephales promelas (fathead minnow)): &gt; 32.2 mg/ Exposure time: 34 d Remarks: Based on data from similar materials</li> </ul>	I



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aqua	tity to daphnia and other tic invertebrates onic toxicity)	:	Exposure time: 2 Method: OECD T	magna (Water flea)): 0.0125 mg/l 1 d est Guideline 211 on data from similar materials
M-Fa toxici	ctor (Chronic aquatic ty)	:	1	
Toxic	ity to bacteria	:		h est Guideline 209 on data from similar materials
Pers	istence and degradabil	ity		
Benz	edients: zalkonium chloride: egradability	:		95.5 %
Bioa	ccumulative potential			
<b>Benz</b> Partit	edients: alkonium chloride: ion coefficient: n- nol/water	:	log Pow: 0.004 Remarks: Based	on data from similar materials
Mobi	lity in soil			
No da	ata available			
••	<b>r adverse effects</b> ata available			

Waste from residues	: Dispose of in accordance with local regulations.
Contaminated packaging	<ul> <li>Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> </ul>

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulation

**UNRTDG** Not regulated as a dangerous good



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	A-DGR regulated as a dangero	ous good			
	<b>G-Code</b> regulated as a dangero	ous good			
	sport in bulk accord	-	l of MARPO	L 73/78 and the IBC Cod	le
Dom	estic regulation				
<b>49 C</b> Not i	FR regulated as a dangero	ous good			
SECTION	I 15. REGULATORY I	NFORMATION	I		
EPC	RA - Emergency Plar	ning and Con	nmunity Rig	ht-to-Know	
	CLA Reportable Qua material does not cont	-	onents with a	CERCLA RQ.	
	A 304 Extremely Haz material does not cont		-		
SAR	A 311/312 Hazards	: Acute H	Health Hazar	d	
SAR	A 302			material are subject to th RA Title III, Section 302.	ne reporting
SAR	A 313	known	CAS number	not contain any chemical rs that exceed the thresho ablished by SARA Title III	old (De Minimis)
US S	State Regulations				
Pen	nsylvania Right To K	างพ			
	Water 2-Phenox	/ethanol		7732-18-5 122-99-6	90 - 100 % 0.1 - 1 %
New	Jersey Right To Kno				
	Water			7732-18-5	90 - 100 %
Calif	ornia Prop 65	State o		ot contain any chemicals o cause cancer, birth, or a s.	
The AICS	• •	-	orted in the edients listed	following inventories: I or exempt.	
Inve	ntories				

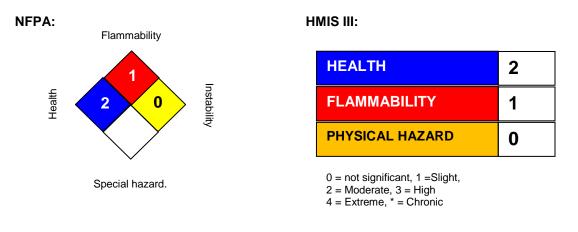


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AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

### SECTION 16. OTHER INFORMATION

### Further information



Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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