

Version 1.1	Revision Date: 02/10/2015	MSDS Number:Date of last issue: 01/12/201546592-00002Date of first issue: 01/12/2015		
SECTION	1. IDENTIFICATION			
Prod	uct name	: MICRELL® Antibacterial Lotion Soap		
Man	ufacturer or supplier's	etails		
	••	: GOJO Industries, Inc.		
Addr	ess	: One GOJO Plaza, Suite 500 Akron OH 44311		
Tele	phone	: 1 (330) 255-6000		
Eme	rgency telephone	: 1-800-424-9300 CHEMTREC		
Reco	ommended use of the o	nemical and restrictions on use		
Reco	mmended use	: Antibacterial Soap		
Rest	rictions on use	: This is a personal care or cosmetic product that is saft consumers and other users under normal and reason foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, a exempt from the requirement of an SDS for the consu- While this material is not considered hazardous, this S contains valuable information critical to the safe handl proper use of the product for industrial workplace con- as well as unusual and unintended exposures such as spills. This SDS should be retained and available for employees and other users of this product. For specif intended-use guidance, please refer to the information provided on the package or instruction sheet.	ably are umer. SDS ling and ditions s large ic	

SECTION 2. HAZARDS IDENTIFICATION

Category 2A
Warning
H319 Causes serious eye irritation.
Prevention: P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.

Most important symptoms



MICRELL® Antibacterial Lotion Soap

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		for several mi to do. Continu	nutes. Remove contact	inse cautiously with water t lenses, if present and easy : Get medical advice/
Othe	er hazards			
None	e known.			
SECTION	3. COMPOSITION/IN	FORMATION ON IN	GREDIENTS	
	tance / Mixture	: Mixture		
	rdous ingredients			
	nical Name		CAS-No.	Concentration (%)
	nolamine		141-43-5	>= 1 - < 5
4-chl	oro-3,5-dimethylphene	bl	88-04-0	>= 0.1 - < 1
ECTION	4. FIRST AID MEAS	URES		
Gene	eral advice		accident or if you feel	unwell, seek medical
		advice immed		
		advice.	ons persist of in all cas	es of doubt seek medical
If inh	aled		nove to fresh air.	
		Get medical a	attention if symptoms of	ccur.
In ca	se of skin contact	: Wash with wa	ater and soap as a prec	aution.
			attention if symptoms of	
In ca	se of eye contact	· In case of cor	ntact_immediately.flush	eyes with plenty of water
in ca		for at least 15		cycs with picity of water
			remove contact lens, if	worn.
		Get medical a		
If swa	allowed	· If swallowed	DO NOT induce vomiti	na
11 3 100		. ii Swalloweu,		

and effects, both acute and
delayedProtection 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.Notes to physician::Treat symptomatically and supportively.

: Causes serious eye irritation.

Get medical attention if symptoms occur. Rinse mouth thoroughly with water.



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SECTION	5. FIRE-FIGHTING ME	ASURES	
Suital	ble extinguishing media	: Water spray Alcohol-resis Dry chemical Carbon dioxi	
Unsui media	table extinguishing	: None known	
Speci fightir	fic hazards during fire	: Exposure to	combustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	: Carbon oxide Metal oxides Sulfur oxides Nitrogen oxid	-
Speci metho	fic extinguishing ods	circumstance Use water sp	shing measures that are appropriate to local as and the surrounding environment. ray to cool unopened containers. amaged containers from fire area if it is safe to do a.
•	al protective equipment e-fighters		of fire, wear self-contained breathing apparatus. protective 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	:	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.
Methods and materials for containment and cleaning up	:	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. Clean up remaining materials from spill with suitable absorbent. 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.



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					5 of this SDS provide information regarding tional requirements.		
SECT	FION 7.	HANDLING AND ST	OR	AGE			
T	Technica	al measures	:	0 0	measures under EXPOSURE SONAL PROTECTION section.		
Local/Total ventilation		:	: Use only with adequate ventilation.				
F	Advice on safe handling		:	Handle in accorda practice.			
C	Conditio	ns for safe storage	:	Keep in properly l Store in accordan	abeled containers. ce with the particular national regulations.		
Ν	Vaterial	s to avoid	:	Do not store with Strong oxidizing a	the following product types: igents		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m3	NIOSH REL
		ST	6 ppm 15 mg/m3	NIOSH REL
		TWA	3 ppm 6 mg/m3	OSHA Z-1

Hazardous components without workplace control parameters

Ingredients	CAS-No.
4-chloro-3,5-dimethylphenol	88-04-0
Engineering measures	: Ensure adequate v

 Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
 Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for



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			dust, 5 mg/m3 - r Particles (insolub	Otherwise Regulated of 15 mg/m3 - total espirable fraction; and ACGIH TWA for le or poorly soluble) Not Otherwise /m3 - respirable particles, 10 mg/m3 - s.
Pers	onal protective equipr	nent		
	biratory protection		maintain vapor ex concentrations ar unknown, approp Follow OSHA res use NIOSH/MSH by air purifying re nazardous chemi supplied respirato release, exposure	I exhaust ventilation is recommended to sposures below recommended limits. Where e above recommended limits or are riate respiratory protection should be worn. pirator regulations (29 CFR 1910.134) and A approved respirators. Protection provided spirators against exposure to any cal is limited. Use a positive pressure air or if there is any potential for uncontrolled e levels are unknown, or any other ere air purifying respirators may not provide on.
	l protection aterial	: 1	mpervious glove	S
Re	emarks	(on the concentrat ime is not determ For special applic resistance to che gloves with the gl	protect hands against chemicals depending ion specific to place of work. Breakthrough hined for the product. Change gloves often! rations, we recommend clarifying the micals of the aforementioned protective ove manufacturer. Wash hands before end of workday.
Eye p	protection		Wear the followin Safety goggles	g personal protective equipment:
Skin	and body protection	I I S	esistance data a potential. Skin contact mus	e protective clothing based on chemical nd an assessment of the local exposure t be avoided by using impervious protective aprons, boots, etc).
Hygie	ene measures	l N	ocated close to the Nhen using do not	ushing systems and safety showers are ne working place. ot eat, drink or smoke. ed clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, colorless, yellow
Odor	: floral



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	Odor T	hreshold	:	No data available	
	pН			7 - 10	
	•				
	Melting	point/freezing point	:	No data available	
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	oint	:	> 100 °C	
	Evapor	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Upper e	explosion limit	:	No data available	
	Lower e	explosion limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Density	,	:	1.00 g/cm3	
	Solubili Wate	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Autoign	ition temperature	:	No data available	
	Decom	position temperature	:	The substance or	mixture is not classified self-reactive.
	Viscosi Visco	ty osity, kinematic	:	1 - 20 mm2/s (20	°C)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng 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.



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Incom	patible materials	: Oxidizing age	ents
Hazaı produ	rdous decomposition cts	: No hazardou	s decomposition products are known.
SECTION	11. TOXICOLOGICAL	INFORMATION	
Inhala Skin o Inges	contact	s of exposure	
	e toxicity assified based on avai	able information.	
Produ	uct:		
	oral toxicity		estimate: > 5,000 mg/kg ulation method
Acute	inhalation toxicity	Exposure time Test atmosph	
Acute	dermal toxicity		estimate: > 5,000 mg/kg ulation method
Ingre	dients:		
	nolamine:		
Acute	oral toxicity	: LD50 (Rat): 1	,515 mg/kg
Acute	inhalation toxicity	Test atmosph Method: Expe	ert judgment sed on harmonised classification in EU regulatio
Acute	dermal toxicity	: LD50 (Rabbit)): 1,025 mg/kg
	oro-3,5-dimethylphen oral toxicity	: Acute toxicity Method: Expe	sed on harmonised classification in EU regulatio
Acute	inhalation toxicity	: LC50 (Rat): > Test atmosph	
Acute	dermal toxicity	: LD50 (Rat): >	2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.



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Product:

Result: No skin irritation

Ingredients:

Ethanolamine: Species: Rabbit Result: Corrosive after 3 minutes to 1 hour of exposure

4-chloro-3,5-dimethylphenol:

Result: Skin irritation Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Serious eye damage/eye irritation

Causes serious eye irritation.

Ingredients:

Ethanolamine: Species: Rabbit Result: Irreversible effects on the eye

4-chloro-3,5-dimethylphenol:

Result: Irreversible effects on the eye

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.

Ingredients:

Ethanolamine:

Test Type: Maximization Test (GPMT) Routes of exposure: Skin contact Species: Guinea pig Result: negative

4-chloro-3,5-dimethylphenol:

Assessment: Probability or evidence of skin sensitization in humans Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Ethanolamine: Genotoxicity in vitro	: Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
Genotoxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)



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			Route: Ingestion CD Test Guideline 474
	oro-3,5-dimethylphenol oxicity in vitro		Bacterial reverse mutation assay (AMES) ative
Carci	nogenicity		
Not cla IARC	assified based on availa	No ingredient o	of this product present at levels greater than or is identified as probable, possible or confirmed gen by IARC.
OSH	A		of this product present at levels greater than or is identified as a carcinogen or potential carcino-
NTP			of this product present at levels greater than or is identified as a known or anticipated carcinoge
-	oductive toxicity assified based on availa	ble information.	
Ethan	<mark>dients:</mark> olamine: s on fertility	: Test Type: ⁻	Two-generation reproduction toxicity study
		Species: Ra	t Route: Ingestion
Effect	s on fetal development	Species: Ra Application	Route: Ingestion CD Test Guideline 414
STOT	-single exposure	Ū.	
	assified based on availa	ble information.	
	dients:		
Ingred			

Not classified based on available information.

Ingredients:

Ethanolamine:

Routes of exposure: inhalation (dust/mist/fume) Assessment: No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d



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or les	SS.			
Repe	eated dose toxicity			
Etha Spec NOA Appli	edients: nolamine: ies: Rat EL: 150 mg/m3 cation Route: inhalation (sure time: 28 d	dus	st/mist/fume)	
Spec LOAE Appli	oro-3,5-dimethylpheno l ies: Rabbit EL: 180 mg/kg cation Route: Skin contac sure time: 90 d			
-	ration toxicity lassified based on availa	ble	information.	
SECTION	12. ECOLOGICAL INFO	DRI	IATION	
Ecot	oxicity			
Ingre	dients:			
	nolamine: hity to fish	:	LC50 (Cyprinus Exposure time:	carpio (Carp)): 349 mg/l 96 h
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia Exposure time:	magna (Water flea)): 65 mg/l 48 h
Toxic	ity to algae	:	ErC50 (Selenas Exposure time:	trum capricornutum (green algae)): 2.8 mg/l 72 h
			NOEC (Scened mg/l Exposure time:	esmus capricornutum (fresh water algae)): 1 72 h
Toxic toxici	tity to fish (Chronic ty)	:	NOEC (Oryzias Exposure time:	latipes (Orange-red killifish)): 1.24 mg/l 41 d
aqua	tity to daphnia and other tic invertebrates pnic toxicity)	:	NOEC (Daphnia Exposure time:	a magna (Water flea)): 0.85 mg/l 21 d
Toxic	ity to bacteria	:	EC50 (Pseudon	nonas putida): 110 mg/l

4-chloro-3.5-dimethylphenol:

4-chloro-3,5-dimethylphenol:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l
		Exposure time: 96 h

Exposure time: 17 h



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		y to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 7.7 mg/l 3 h
	M-Fact icity)	or (Acute aquatic tox-	:	1	
	Persis	tence and degradabil	ity		
		ients: blamine: radability	:	Result: Readily bi Biodegradation: > Exposure time: 21	> 90 %
	Bioaco	cumulative potential			
		plamine: n coefficient: n-	:	log Pow: -1.91	
		r o-3,5-dimethylpheno n coefficient: n- I/water		log Pow: 3.27	
	Mobilit	ty in soil			
	No data	a available			
	Other a	adverse effects			
	No data	a available			

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

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good



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Trans	port in bulk accordin	g to Annex II of MA	RPOL 73/78 and the IBC Cod	e
Not ap	oplicable for product as	s supplied.		
Dome	stic regulation			
49 CF Not re	R gulated as a dangerou	ıs good		
CTION	15. REGULATORY IN	FORMATION		
EPCR	A - Emergency Plan	ning and Community	/ Right-to-Know	
CERC	LA Reportable Quan	tity		
	naterial does not conta	•	rith a CERCLA RQ.	
	304 Extremely Haza			
			vith a section 304 EHS RQ.	
1110 11				
SARA	311/312 Hazards	: Acute Health H	lazard	
SARA	x 302		n this material are subject to th f SARA Title III, Section 302.	ne reporting
SARA 313 : This material does not contain any chemical components known CAS numbers that exceed the threshold (De Minim reporting levels established by SARA Title III, Section 313				old (De Minimis
US St	ate Regulations			
Penns	sylvania Right To Kn	ow		
	Water		7732-18-5	70 - 90 %
	Fatty acids,	0000	61788-47-4	5 - 10 %
	Oleic acid		112-80-1	1 - 5 %
	Sodium sul	phate	7757-82-6	1 - 5 %
	Ethanolami	ne	141-43-5	1 - 5 %
New J	Jersey Right To Know	v		
	Water		7732-18-5	70 - 90 %
	Fatty acids,	сосо	61788-47-4	5 - 10 %
	Oleic acid		112-80-1	1 - 5 %
	Sodium sul	phate	7757-82-6	1 - 5 %
	Ethanolami	ne	141-43-5	1 - 5 %
Califo	ornia Prop 65		oes not contain any chemicals mia to cause cancer, birth, or a efects.	
The ir	ngredients of this pro	duct are reported ir	the following inventories:	

Inventories

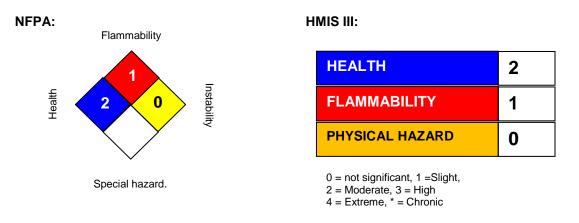


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AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information



Full text of other abbreviations

ACGIH NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
ACGIH / TWA		8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST		STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	:	8-hour time weighted average
Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- 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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