

Version 1.0	Revision Date: 06/08/2021		DS Number: 00000005952	Date of last issue: - Date of first issue: 06/08/2021		
SECTIO	N 1. IDENTIFICATION					
Pro	Product name		GOJO® NATUR	AL* ORANGE™ Smooth Hand Cleaner		
Mar	ufacturer or supplier's	s det	ails			
	Company name of supplier Address		One GOJO Plaza	GOJO Industries, Inc. One GOJO Plaza, Suite 500 Akron, Ohio, 44311		
Tele	phone	:	1 (330) 255-6000			
Eme ber	Emergency telephone num- ber		CHEMTREC 1-80 CHEMTREC +1-	00-424-9300 703-527-3887: Outside USA & CANADA		
Rec	ommended use of the	che	mical and restrict	ons on use		
	Recommended use Restrictions on use		consumers and of foreseeable use. cally defined by r the requirement of rial is not conside information critic product for indus and unintended of should be retained users of this prod	al care or cosmetic product that is safe for other users under normal and reasonably Cosmetics and consumer products, specifi- regulations around the world, are exempt from of an SDS for the consumer. While this mate- ered hazardous, this SDS contains valuable al to the safe handling and proper use of the trial workplace conditions as well as unusual exposures such as large spills. This SDS ed and available for employees and other duct. For specific intended-use guidance, he information provided on the package or		

### SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Eye irritation	:	Category 2A
<b>GHS label elements</b> Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H319 Causes serious eye irritation.
Precautionary statements	:	Prevention:



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P280 Wear eye protection/ face protection.

#### **Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
C11-15 Alkane/cycloalkane	64742-47-8	>= 1 - < 5
Laureth-7	9002-92-0	>= 1 - < 5
Glycerin	56-81-5	>= 1 - < 5
Limonene	5989-27-5	>= 0.1 - < 1

### **SECTION 4. FIRST AID MEASURES**

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	:	Get medical attention if irritation develops and persists.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
If swallowed	:	If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
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 protective clothing

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide.
Unsuitable extinguishing media	:	None known.
Hazardous combustion prod-	:	Carbon oxides



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ucts			
Speci ods	fic extinguishing meth-	cumstances a	hing measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers.
Further information		: Collect contar must not be d Fire residues	ninated fire extinguishing water separately. This ischarged into drains. and contaminated fire extinguishing water must f in accordance with local regulations.
	al protective equipment efighters	: In the event o	f fire, wear self-contained breathing apparatus. protective equipment.

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions. No conditions to be specially mentioned.
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.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	For personal protection see section 8. Do not swallow. Avoid contact with eyes. Keep container closed when not in use.
Conditions for safe storage	:	Keep in properly labelled containers. Keep container tightly closed in a dry and well-ventilated place. Store in accordance with the particular national regulations.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
C11-15 Alkane/cycloalkane	64742-47-8	TWA	200 mg/m3 (As total hydro- carbon vapour)	CA BC OEL
		TWA	200 mg/m3 (As total hydro- carbon vapour)	CA AB OEL
		TWA (Mist)	5 mg/m3	CA AB OEL



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1		1	STEL (Mist)	10 mg/m3	CA AB OEI
			TWAEV (Mist)	5 mg/m3	CA QC OE
			STEV (Mist)	10 mg/m3	CA QC OE
			TWA	525 mg/m3	CA ON OE
			TWA	200 mg/m3 (As total hydro- carbon vapour)	CA BC OE
			TWA (Mist)	5 mg/m3	CA AB OE
			STEL (Mist)	10 mg/m3	CA AB OE
			TWAEV (Mist)	5 mg/m3	CA QC OE
			STEV (Mist)	10 mg/m3	CA QC OE
			TWA	525 mg/m3	CA ON OE
			TWA	200 mg/m3 (as total hydro- carbon vapor)	ACGIH
Glyce	erin	56-81-5	TWA	10 mg/m3	CA BC OE
			TWA (Res- pirable)	3 mg/m3	CA BC OE
			TWA (Mist)	10 mg/m3	CA BC OE
			TWA (Mist)	10 mg/m3	CA AB OE
			TWAEV (Mist)	10 mg/m3	CA QC OE
			TWA (Res- pirable mist)	3 mg/m3	CA BC OE
Limon	nene	5989-27-5	TWA	20 ppm 111 mg/m3	CA AB OE
			TWA	20 ppm 111 mg/m3	CA AB OE
			TWA	20 ppm	ACGIH

## Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally re- quired.
Eyeprotection	:	No special protective equipment required. Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	No special protective equipment required.
Protective measures	:	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: grey, opaque
Odour	: citrus
Odour Threshold	: No data available



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	рН		:	5.0 - 6.5 (20 °C)	
	Melting	g point/range	:	No data available	e
	Initial b range	oiling point and boiling	:	> 90 °C	
	Flashp	point ration rate	:	> 100 °C No data available	9
	Flamm	ability (solid, gas)	:	Not applicable	
	Flamm	ability (liquids)	:	No data available	9
	Upper	explosion limit	:	No data available	9
	Lower	explosion limit	:	No data available	e
	Vapou	r pressure	:	No data available	e
	Relativ	e vapour density	:	Not applicable	
	Densit	у	:	0.98 g/cm3	
		lity(ies) ter solubility	:	soluble	
	Partitic octano	on coefficient: n-	:	Not applicable	
		gnition temperature	:	No data available	9
	Decon	nposition temperature	:	The substance o	r mixture is not classified self-reactive.
	Viscos Viso	sity cosity, kinematic	:	10000 - 45000 m	m2/s (20 °C)
	Explos	siveproperties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.

### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. No dangerous reaction known under conditions of normal use.
Incompatible materials Hazardous decomposition products		Oxidizing agents No hazardous decomposition products are known.

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# GOJO® NATURAL\* ORANGE<sup>™</sup> Smooth Hand Cleaner

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SECTION	I 11. TOXICOLOGICA			
			ONMATION	
Inhal Skin	<b>mation on likely rou</b> ation contact contact	tes of	exposure	
	e toxicity	- 1	information.	
	classified based on av	allable	e information.	
Prod Acute	e oral toxicity	:	Acute toxicity Method: Calcu	estimate: > 5,000 mg/kg ulation method
<u>Com</u>	ponents:			
C11-	15 Alkane/cycloalka	ne:		
Acute	e oral toxicity	:	LD50 (Rat): >	5,000 mg/kg
Acute	e inhalation toxicity	:	tion toxicity	e: 4 h
Acute	e dermal toxicity	:		: > 3,160 mg/kg The substance or mixture has no acute dermal
Laur	eth-7:			
Acute	e oral toxicity	:		500 - 2,000 mg/kg ed on data from similar materials
Acute	e inhalation toxicity	:	LC50 (Rat): > Exposure time Test atmosph Remarks: Bas	e: 4 h
Acute	e dermal toxicity	:	LD50 (Rat): > Remarks: Bas	2,000 mg/kg ed on data from similar materials
Glyc	erin:			
-	e oral toxicity	:	LD50 (Rat): >	5,000 mg/kg
Lime	onene:			
	e oral toxicity	:		2,000 mg/kg The substance or mixture has no acute oral to

Remarks: Based on data from similar materials

icity



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### Skin corrosion/irritation

Not classified based on available information.

#### **Components:**

#### C11-15 Alkane/cycloalkane:

Assessment: Repeated exposure may cause skin dryness or cracking.

#### Laureth-7:

Species: Rabbit Result: No skin irritation Remarks: Based on data from similar materials

#### Glycerin:

Result: No skin irritation

#### Limonene:

Species: Rabbit Result: Skin irritation

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Components:

#### C11-15 Alkane/cycloalkane:

Species: Rabbit Result: No eye irritation

#### Laureth-7:

Species: Rabbit Result: Irreversible effects on the eye Remarks: Based on data from similar materials

#### Glycerin:

Result: No eye irritation

#### Limonene:

Species: Rabbit Result: No eye irritation

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.



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#### **Respiratory sensitisation**

Not classified based on available information.

#### Product:

Result: Does not cause skin sensitisation.

#### **Components:**

#### C11-15 Alkane/cycloalkane:

Test Type: Maximisation Test (GPMT) Exposure routes: Skin contact Species: Guinea pig Result: negative Remarks: Based on data from similar materials

#### Laureth-7:

Test Type: Maximisation Test (GPMT) Exposure routes: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: negative Remarks: Based on data from similar materials

#### Limonene:

Test Type: Local lymph node assay (LLNA) Exposure routes: Skin contact Species: Mouse Result: positive

Assessment: Probability or evidence of skin sensitisation in humans

#### Germ cell mutagenicity

Not classified based on available information.

#### **Components:**

#### C11-15 Alkane/cycloalkane:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Genotoxicity in vivo	:	Test Type: Chromosomal aberration Species: Rat Application Route: Intraperitoneal injection Result: negative Remarks: Based on data from similar materials
Laureth-7:		
Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative



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		Remarks: Ba	ased on data from similar materials
Glyce	erin:		
Geno	toxicity in vitro		n vitro mammalian cell gene mutation test CD Test Guideline 476 Itive
Limo	nene:		
Geno	toxicity in vitro	: Test Type: Ir Result: nega	n vitro mammalian cell gene mutation test Itive
Geno	toxicity in vivo	say Species: Ra	Route: Ingestion

#### Carcinogenicity

Not classified based on available information.

#### Components:

### Glycerin:

Species: Rat Application Route: Ingestion Exposure time: 2 Years Result: negative

#### Limonene:

Species: Mouse Application Route: Ingestion Exposure time: 103 weeks Result: negative

#### **Reproductive toxicity**

Not classified based on available information.

### Components:

C11-15 Alkane/cycloalkane:	
Effects on fertility :	Test Type: One-generation reproduction toxicity study Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials
Effects on foetal develop- : ment	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative



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Glyc	erin:		
Effec	ts on fertility	Species: Rat	vo-generation reproduction toxicity study oute: Ingestion ive
Effec ment	ts on foetal develop-	Species: Rab	oute: Ingestion

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Repeated dose toxicity**

#### Components:

#### C11-15 Alkane/cycloalkane:

Species: Rat NOAEL: > 10.4 mg/l Application Route: inhalation (vapour) Exposure time: 90 d Remarks: Based on data from similar materials

#### **Glycerin:**

Species: Rat NOAEL: 167 mg/m3 LOAEL: 660 mg/m3 Application Route: inhalation (dust/mist/fume) Exposure time: 13 w Symptoms: Local irritation

#### Limonene:

Species: Rat NOAEL: 600 mg/kg Application Route: Ingestion Exposure time: 13 w

#### Aspiration toxicity

Not classified based on available information.

#### **Components:**

#### C11-15 Alkane/cycloalkane:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.



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### Limonene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Components:**

C11-15 Alkane/cycloalkane:		
Toxicity to fish	:	LL50 (Danio rerio (zebra fish)): > 250 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Acartia tonsa): > 3,193 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction
Toxicity to algae	:	EL50 (Skeletonema costatum (marine diatom)): > 3,200 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction
		NOELR (Skeletonema costatum (marine diatom)): 993 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOELR (Ceriodaphnia Dubia (water flea)): > 70 mg/l Exposure time: 8 d Test substance: Water Accommodated Fraction
Toxicity to bacteria	:	EC50: > 100 mg/l Exposure time: 3 h
Laureth-7:		
Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	NOEC (Daphnia magna (Water flea)): > 0.1 - 1 mg/l Exposure time: 21 d Remarks: Based on data from similar materials
<b>Glycerin:</b> Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l Exposure time: 96 h



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	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 1,955 mg/l 8 h
To	xicity to bacteria	:	NOEC (Pseudom Exposure time: 1	ionas putida): > 10,000 mg/l 6 h
Liı	nonene:			
	xicity to fish	:	LC50 (Pimephale Exposure time: 9	es promelas (fathead minnow)): 0.72 mg/l 6 h
	xicity to daphnia and other uatic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 0.36 mg/l 8 h
Το	xicity to algae	:	Exposure time: 7 Test substance:	esmus subspicatus (green algae)): 150 mg/l 2 h Water Accommodated Fraction on data from similar materials
M- icit	Factor (Acute aquatic tox- y)	:	1	
Ре	rsistence and degradabil	ity		
<u>Co</u>	mponents:			
C1	1-15 Alkane/cycloalkane	:		
Bio	odegradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD T	82 %
La	ureth-7:			
Bio	odegradability	:	Result: rapidly de Remarks: Based	egradable on data from similar materials
Gl	ycerin:			
	odegradability	:	Result: Readily b Biodegradation: Exposure time: 1	94 %
Lir	nonene:			
Bio	odegradability	:	Result: Readily b Biodegradation: Exposure time: 2 Remarks: Based	80 %
Bi	oaccumulative potential			
	mponents:			
	ureth-7:			



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Bioa	ccumulation		n tion factor (BCF): < 500 sed on data from similar materials	
Parti	e <b>rin:</b> tion coefficient: n- nol/water	: log Pow: -1.7	6	
Parti	<b>onene:</b> tion coefficient: n- nol/water	: log Pow: 4.3	3	
	<b>ility in soil</b> ata available			
	<b>er adverse effects</b> ata available			

### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

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

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

#### International Regulation

#### IATA-DGR

Not regulated as a dangerous good

**IMDG-Code** Not regulated as a dangerous good

### **National Regulations**

**TDG** Not regulated as a dangerous good

#### **SECTION 15. REGULATORY INFORMATION**

The components of this product are reported in the following inventories:			
TSCA	On TSCA Inventory		
4100			
AICS	On the inventory, or in compliance with the inventory		
DSL	On the inventory, or in compliance with the inventory		
ENCS	On the inventory, or in compliance with the inventory		



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ISHL		On the inventor	y, or in compliance with the inventory		
KECI		On the inventor	ry, or in compliance with the inventory		
PICCS	8	On the inventor	ry, or in compliance with the inventory		
IECSO	2	On the inventor	ry, or in compliance with the inventory		
NZIoC		On the inventor	On the inventory, or in compliance with the inventory		

### Canadian lists

No substances are subject to a Significant New Activity Notification.

#### **SECTION 16. OTHER INFORMATION**

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil: ASTM - American Society for the Testing of Materials; bw - Body weight: CMR -Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China: IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC -No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program: NZbC - New Zealand Inventory of Chemicals: OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS -Workplace Hazardous Materials Information System

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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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not



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to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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