

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

SECTION 1. IDENTIFICATION

Product name : GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500
Akron, Ohio 44311

Telephone : 1 (330) 255-6000

Emergency telephone number : 1-800-424-9300 CHEMTREC

Recommended use of the chemical and restrictions on use

Recommended use : Skin-care

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.


GOJO® MULTI GREEN® Hand Cleaner
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Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Precautionary statements : **Prevention:**
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 + P310 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.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components: GOJO® MULTI GREEN® Hand Cleaner**

Chemical name	CAS-No.	Concentration (%)
Laureth-6	68439-50-9	>= 5 - < 10
Limonene	5989-27-5	>= 0.1 - < 1

Hazardous components: GOJO® MULTI GREEN® Eco Hand Cleaner

Chemical name	CAS-No.	Concentration (%)
Laureth-6	68439-50-9	>= 5 - < 10
Limonene	5989-27-5	>= 0.1 - < 1
Sodium Hydroxymethylglycinate	70161-44-3	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice 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 : Wash with water and soap as a precaution.
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 damage.

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 : Water spray



GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

	Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: None known.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.
Environmental precautions	: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. 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. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

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 containers tightly closed in a cool, well-ventilated place. Store in accordance with the particular national regulations.


GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Limonene	5989-27-5	TWA	20 ppm	ACGIH

Hazardous components without workplace control parameters

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Protective measures : Wear suitable protective equipment.
Ensure that eye flushing systems and safety showers are located close to the working 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 : green, opaque
- Odour : citrus
- Odour Threshold : No data available
- pH : 6 - 9
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : 98 °C
- Flash point : > 100 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.033 g/cm ³
Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: not determined
Thermal decomposition	: The substance or mixture is not classified self-reactive.
Viscosity	
Viscosity, kinematic	: 25000 - 45000 mm ² /s (20 °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.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation
Eye contact
Skin contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Components:**Laureth-6:**

Acute oral toxicity : LD50 (Rat): > 500 - 2,000 mg/kg
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 1.6 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Remarks: Based on data from similar materials

Limone:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials

Sodium Hydroxymethylglycinate:

Acute oral toxicity : LD50 (Rat): 1,050 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: No skin irritation

Components:**Laureth-6:**

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

Limone: Species:

Rabbit Result: Skin irritation

Sodium Hydroxymethylglycinate:

Species: Rabbit
Result: Skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:**Laureth-6:**

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

Limone:

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Species: Rabbit
Result: No eye irritation

Sodium Hydroxymethylglycinate:

Species: Rabbit
Result: Irritation to eyes, reversing within 21 days

Respiratory or skin sensitisation

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

Product:

Result: Does not cause skin sensitisation.
Remarks: Patch test on human volunteers did not demonstrate sensitisation properties.

Components:**Laureth-6:**

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

Sodium Hydroxymethylglycinate:

Test Type: Maximisation Test (GPMT)
Exposure routes: Skin contact
Species: Guinea pig
Result: positive

Assessment: Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Components:**Laureth-6:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Limonene:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative



GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Genotoxicity in vivo : Test Type: Transgenic rodent somatic cell gene mutation assay
 Test species: Rat
 Application Route: Ingestion
 Result: negative

Sodium Hydroxymethylglycinate:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
 Result: negative

Genotoxicity in vivo : Test Type: Unscheduled DNA synthesis (UDS) test with mammalian liver cells in vivo
 Test species: Rat
 Result: negative

Carcinogenicity

Not classified based on available information.

Components:**Limonene:**

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

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Components:**Sodium Hydroxymethylglycinate:**

Effects on foetal development : Species: Rat
 Application Route: Ingestion
 Result: negative

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.


GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Repeated dose toxicity**Components:****Limonene:**

Species: Rat

NOAEL: 600 mg/kg

Application Route: Ingestion

Exposure time: 13 w

Aspiration toxicity

Not classified based on available information.

Components:**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
Ecotoxicity**Components:****Laureth-6:**

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 (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 0.1 - 1 mg/l
 Exposure time: 21 d
 Remarks: Based on data from similar materials

Limonene:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 0.72 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.36 mg/l
 Exposure time: 48 h

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 150 mg/l
 Exposure time: 72 h
 Test substance: Water Accommodated Fraction
 Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

Sodium Hydroxymethylglycinate:

Toxicity to fish : LC50: > 10 - 100 mg/l
 Exposure time: 96 h



GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): > 10 - 100 mg/l
Exposure time: 48 h
- Toxicity to algae : ErC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 10 - 100 mg/l
Exposure time: 72 h
- Toxicity to bacteria : EC50: > 100 mg/l
Exposure time: 120 h

Persistence and degradability**Components:****Laureth-6:**

- Biodegradability : Result: rapidly degradable
Remarks: Based on data from similar materials

Limone:

- Biodegradability : Result: Readily biodegradable.
Biodegradation: 80 %
Exposure time: 28 d
Remarks: Based on data from similar materials

Sodium Hydroxymethylglycinate:

- Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential**Components:****Laureth-6:**

- Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): < 500
Remarks: Based on data from similar materials

Limone:

- Partition coefficient: n-octanol/water : log Pow: 4.38

Sodium Hydroxymethylglycinate:

- Partition coefficient: n-octanol/water : log Pow: < 3

Mobility in soil

No data available

Other adverse effects

No data available

Product:

- Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

- Remarks : This product neither contains, nor was manufactured with a

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

Class I or Class II ODS as defined by the U.S. Clean Air Act
Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS**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****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

National Regulations**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard**SARA 302** : No chemicals in this material are subject to the reporting
requirements of SARA Title III, Section 302.**SARA 313** : This material does not contain any chemical components with
known CAS numbers that exceed the threshold (De Minimis)
reporting levels established by SARA Title III, Section 313.**Clean Air Act**This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean
Air Act Section 12 (40 CFR 61).This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for
Accidental Release Prevention (40 CFR 68.130, Subpart F).This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111
SOCMI Intermediate or Final VOC's (40 CFR 60.489).

**GOJO® MULTI GREEN® Hand Cleaner**
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

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This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
CH INV	: On the inventory, or in compliance with the inventory
AICS	: On the inventory, or in compliance with the inventory
DSL	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

Inventories

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

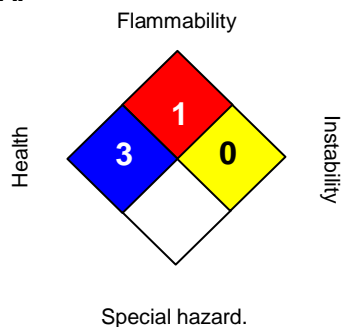


GOJO® MULTI GREEN® Hand Cleaner
GOJO® MULTI GREEN® Eco Hand Cleaner

Version 1.1

SDS Number: 400000005228

Revision Date: 12/21/2016

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS III:**

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

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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 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.