SAFETY DATA SHEET

GOJO® ORIGINAL FORMULA™ Hand Cleaner

Version 1.1  SDS Number: 4000000000198  Revision Date: 02/28/2018

SECTION 1. IDENTIFICATION

Product name : GOJO® ORIGINAL FORMULA™ 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 : CHEMTREC 1-800-424-9300
CHEMTREC +1-703-527-3887: Outside USA & CANADA

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.
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C11-15 Alkane/cycloalkane</td>
<td>64742-47-8</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>Mineral Oil (Paraffin Liquidum)</td>
<td>8042-47-5</td>
<td>&gt;= 10 - 50</td>
</tr>
<tr>
<td>Trideceth-9</td>
<td>24938-91-8</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>Petrolatum</td>
<td>8009-03-8</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>Sodium Hydroxymethylglycinate</td>
<td>70161-44-3</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>Chloroxylenol</td>
<td>88-04-0</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
</tbody>
</table>

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
Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO2)

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.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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 container tightly closed in a dry and well-ventilated place.
- Store in accordance with the particular national regulations.

SECTION 8. EXPOSURE CONTROLS/PERSOMAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>C11-15 Alkane/cycloalkane</td>
<td>64742-47-8</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(as total hydrocarbon vapor)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td>Mineral Oil (Paraffinum Liquidum)</td>
<td>8042-47-5</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>US WEEL</td>
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<tr>
<td>Petrolatum</td>
<td>8009-03-8</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection
Remarks: No special protective equipment required.

Eye protection: Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: No special measures necessary provided product is used correctly.

Protective measures: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to
the specific work-place. 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>opaque, white, yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>solvent-like</td>
</tr>
<tr>
<td>pH</td>
<td>9.0, (20 °C)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>98 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (liquids)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>0.883 g/cm³</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>The substance or mixture is not classified self-reactive.</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 100000 mm²/s (20 °C)</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

GOJO® ORIGINAL FORMULA™ Hand Cleaner

Version 1.1  SDS Number: 400000000198  Revision Date: 02/28/2018

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.
Conditions to avoid : No data available
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

Components:
C11-15 Alkane/cycloalkane:
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 5.3 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Mineral Oil (Paraffinum Liquidum):
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Trideceth-9:
Acute oral toxicity: LD50 (Rat): > 500 - < 2,000 mg/kg

Propylene Glycol:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rabbit): > 159 mg/l, > 51091 ppm
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Petrolatum:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

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

Chloroxylenol:
Acute oral toxicity: Acute toxicity estimate: 500 mg/kg
Method: Expert judgement
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI
Acute inhalation toxicity: LC50 (Rat): > 6.29 mg/l
Test atmosphere: dust/mist
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Components:
C11-15 Alkane/cycloalkane:
Assessment: Repeated exposure may cause skin dryness or cracking.

Mineral Oil (Paraffinum Liquidum):
Species: Rabbit
Result: No skin irritation
Trideceth-9:
Species: Rabbit
Result: No skin irritation

Propylene Glycol:
Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Petrolatum:
Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
Remarks: Based on data from similar materials

Sodium Hydroxymethylglycinate:
Species: Rabbit
Result: Skin irritation

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

Serious eye damage/eye irritation
Causes serious eye damage.

Components:
C11-15 Alkane/cycloalkane:
Species: Rabbit
Result: No eye irritation

Mineral Oil (Paraffinum Liquidum):
Species: Rabbit
Result: No eye irritation

Trideceth-9:
Species: Rabbit
Result: Irreversible effects on the eye

Propylene Glycol:
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Petrolatum:
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
Remarks: Based on data from similar materials

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

Chloroxylenol:
Result: Irreversible effects on the eye

**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:**
**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

**Mineral Oil (Paraffinum Liquidum):**
Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Result: negative

**Propylene Glycol:**
Test Type: Maximisation Test (GPMT)
Exposure routes: Skin contact
Species: Guinea pig
Result: negative

**Petrolatum:**
Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Result: negative
Remarks: Based on data from similar materials

**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

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

**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
Test species: Rat
Application Route: Intraperitoneal injection
Result: negative
Remarks: Based on data from similar materials

Mineral Oil (Paraffin Liquidum):
Genotoxicity in vitro
Test Type: In vitro mammalian cell gene mutation test
Result: negative

Genotoxicity in vivo
Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Test species: Mouse
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
Remarks: Based on data from similar materials

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

Genotoxicity in vivo
Test Type: In vivo micronucleus test
Test species: Mouse
Application Route: Intraperitoneal injection
Result: negative

Petrolatum:
Genotoxicity in vitro
Test Type: Chromosome aberration test in vitro
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo
Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Test species: Mouse
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
Remarks: Based on data from similar materials

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

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

Carcinogenicity
Not classified based on available information.

**Components:**

**Mineral Oil (Paraffinum Liquidum):**
- Species: Rat
- Application Route: Ingestion
- Exposure time: 24 Months
- Result: negative

**Propylene Glycol:**
- Species: Rat
- Application Route: Ingestion
- Exposure time: 2 Years
- Result: negative

**Petrolatum:**
- Species: Rat
- Application Route: Ingestion
- Exposure time: 2 Years
- 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:**

**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

**Mineral Oil (Paraffinum Liquidum):**
- Effects on fertility: Test Type: One-generation reproduction toxicity study
  - Species: Rat
  - Application Route: Skin contact
  - Result: negative
### Effects on foetal development

- **Propylene Glycol:**
  - **Test Type:** Embryo-foetal development
  - **Species:** Rat
  - **Application Route:** Ingestion
  - **Result:** negative

- **Effects on foetal development:**
  - **Test Type:** Embryo-foetal development
  - **Species:** Mouse
  - **Application Route:** Ingestion
  - **Result:** negative

- **Petrolatum:**
  - **Test Type:** Reproduction/Developmental toxicity screening test
  - **Species:** Rat
  - **Application Route:** Ingestion
  - **Result:** negative
  - **Remarks:** Based on data from similar materials

- **Sodium Hydroxymethylglycinate:**
  - **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.

**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

#### Mineral Oil (Paraffinum Liquidum):
- **Species:** Rat
- **LOAEL:** 160 mg/kg
- **Application Route:** Ingestion
- **Exposure time:** 90 d
Species: Rat
LOAEL: >= 1 mg/l
Application Route: inhalation (dust/mist/fume)
Exposure time: 4 w
Method: OECD Test Guideline 412

Propylene Glycol:
Species: Rat
NOAEL: 1,700 mg/kg
Application Route: Ingestion
Exposure time: 2 y

Petrolatum:
Species: Rat
NOAEL: 5,000 mg/kg
Application Route: Ingestion
Exposure time: 2 y

Chloroxylenol:
Species: Rabbit
LOAEL: 180 mg/kg
Application Route: Skin contact
Exposure time: 90 d

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.

Mineral Oil (Paraffinum Liquidum):
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:
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 (Chronic 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

**Mineral Oil (Paraffin Liquidum):**

Toxicity to fish:  
LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:  
EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae:  
NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity):  
NOEC (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l  
Exposure time: 28 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):  
NOEC (Daphnia magna (Water flea)): 1,000 mg/l  
Exposure time: 21 d

**Trideceth-9:**

Toxicity to fish:  
LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50: > 1 - 10 mg/l  
Exposure time: 48 h

Toxicity to algae:  
EC50: > 1 - 10 mg/l  
Exposure time: 72 h

**Propylene Glycol:**

Toxicity to fish:  
LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50 (Ceriodaphnia Dubia (water flea)): 18,340 mg/l  
Exposure time: 48 h

Toxicity to algae:  
EC50 (Skeletonema costatum (marine diatom)): 19,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity):  
Chronic Toxicity Value: 2,500 mg/l  
Exposure time: 30 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

<table>
<thead>
<tr>
<th>Substance</th>
<th>Endpoint</th>
<th>NOEC (or EC50)</th>
<th>Exposure time</th>
<th>Method</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceriodaphnia Dubia</td>
<td>NOEC</td>
<td>29,000 mg/l</td>
<td>7 d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pseudomonas putida</td>
<td>NOEC</td>
<td>&gt; 20,000 mg/l</td>
<td>18 h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petrolatum</td>
<td>LL50</td>
<td>&gt; 100 mg/l</td>
<td>96 h</td>
<td>OECD 203</td>
<td>Based on data from similar materials</td>
</tr>
<tr>
<td>Pimephales promelas</td>
<td>EC50</td>
<td>&gt; 10,000 mg/l</td>
<td>48 h</td>
<td>OECD 203</td>
<td>Based on data from similar materials</td>
</tr>
<tr>
<td>Pseudokirchneriella</td>
<td>NOEL</td>
<td>&gt;= 100 mg/l</td>
<td>72 h</td>
<td>OECD 201</td>
<td>Based on data from similar materials</td>
</tr>
</tbody>
</table>
| Sodium hydroxymethylglycinate:
| Daphnia magna         | EC50                | > 10 - 100 mg/l| 48 h          |        |                                              |
| Daphnia pulex         | EC50                | > 10 - 100 mg/l| 48 h          |        |                                              |
| Chloroxylenol:
| Oncorhynchus mykiss   | LC50                | 0.76 mg/l      | 96 h         |        |                                              |
| Daphnia magna         | EC50                | 7.7 mg/l       | 48 h          |        |                                              |
| Sodium hydroxymethylglycinate:
| Toxicity to fish      | LC50                | > 10 - 100 mg/l| 96 h         |        |                                              |
| Toxicity to algae     | ErC50               | > 10 - 100 mg/l| 72 h          |        |                                              |
| Toxicity to bacteria  | EC50                | > 100 mg/l     | 120 h         |        |                                              |
| M-Factor (Acute aquatic toxicity) |            | 1               |               |        |                                              |
## Persistence and degradability

### Components:

#### C11-15 Alkane/cycloalkane:
- **Biodegradability**: Result: Readily biodegradable.
- **Biodegradation**: 82%
- **Exposure time**: 24 d
- **Method**: OECD Test Guideline 301F

#### Mineral Oil (Paraffinum Liquidum):
- **Biodegradability**: Result: Not readily biodegradable.
- **Biodegradation**: 31%
- **Exposure time**: 28 d

#### Trideceth-9:
- **Biodegradability**: Result: Readily biodegradable.
- **Biodegradation**: > 60%
- **Exposure time**: 28 d

#### Propylene Glycol:
- **Biodegradability**: Result: Readily biodegradable.
- **Biodegradation**: 98.3%
- **Exposure time**: 28 d
- **Method**: OECD Test Guideline 301F

#### Petrolatum:
- **Biodegradability**: Result: Not readily biodegradable.
- **Biodegradation**: 31%
- **Exposure time**: 28 d
- **Method**: OECD Test Guideline 301F
- **Remarks**: Based on data from similar materials

#### Sodium Hydroxymethylglycinate:
- **Biodegradability**: Result: Readily biodegradable.

## Bioaccumulative potential

### Components:

#### Propylene Glycol:
- **Partition coefficient**: n-octanol/water
  - **log Pow**: -1.07

#### Sodium Hydroxymethylglycinate:
- **Partition coefficient**: n-octanol/water
  - **log Pow**: < 3

#### Chloroxylenol:
- **Partition coefficient**: n-octanol/water
  - **log Pow**: 3.27

## Mobility in soil

No data available

## Other adverse effects

No data available
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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>1000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

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.
SAFETY DATA SHEET

GOJO® ORIGINAL FORMULA™ Hand Cleaner

Version 1.1  SDS Number: 400000000198  Revision Date: 02/28/2018

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).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):
   - Propylene Glycol 57-55-6  1.7691 %
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.

US State Regulations

Massachusetts Right To Know
   - C11-15 Alkane/cycloalkane  64742-47-8  30 - 50 %
   - Mineral Oil (Paraffinum Liquidum)  8042-47-5  10 - 20 %
   - Petrolatum  8009-03-8  1 - 5 %
   - Sodium Hydroxymethylglycinate  70161-44-3  0.1 - 1 %

Pennsylvania Right To Know
   - C11-15 Alkane/cycloalkane  64742-47-8  30 - 50 %
   - Water (Aqua)  7732-18-5  30 - 50 %
   - Mineral Oil (Paraffinum Liquidum)  8042-47-5  10 - 20 %
   - Oleic Acid  112-80-1  5 - 10 %
   - Trideceth-9  24938-91-8  1 - 5 %
   - Propylene Glycol  57-55-6  1 - 5 %
   - Petrolatum  8009-03-8  1 - 5 %
   - Sodium Hydroxide  1310-73-2  0.1 - 1 %
   - Sodium Hydroxymethylglycinate  70161-44-3  0.1 - 1 %

New Jersey Right To Know
   - C11-15 Alkane/cycloalkane  64742-47-8  30 - 50 %
   - Water (Aqua)  7732-18-5  30 - 50 %
   - Mineral Oil (Paraffinum Liquidum)  8042-47-5  10 - 20 %
   - Oleic Acid  112-80-1  5 - 10 %
   - Trideceth-9  24938-91-8  1 - 5 %
   - Propylene Glycol  57-55-6  1 - 5 %
   - Sodium Hydroxymethylglycinate  70161-44-3  0.1 - 1 %

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
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
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
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)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

Flammability
1
0

Health
3
1
0

Special hazard.

HMIS III:

HEALTH
3

FLAMMABILITY
1

PHYSICAL HAZARD
0

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

Revision Date : 02/28/2018

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.