

**GOJO® POWER GOLD® Hand Cleaner**

Version 1.0      Revision Date: 02/12/2015      MSDS Number: 57083-00001      Date of last issue: -  
Date of first issue: 02/12/2015

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**SECTION 1. IDENTIFICATION**

Product name : GOJO® POWER GOLD® Hand Cleaner

**Manufacturer or supplier's details**

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 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.

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.

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**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**

Repeated exposure may cause skin dryness or cracking.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

| Chemical Name                                  | CAS-No.    | Concentration (%) |
|--|------------|-------------------|
| Distillates (petroleum), hydrotreated light    | 64742-47-8 | >= 30 - < 50      |
| White mineral oil (petroleum)                  | 8042-47-5  | >= 10 - < 20      |
| Ethoxylated branched C11-14, C13-rich alcohols | 78330-21-9 | >= 1 - < 5        |
| Propylene glycol                               | 57-55-6    | >= 1 - < 5        |
| Petrolatum                                     | 8009-03-8  | >= 1 - < 5        |

**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.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.  
Get medical attention if symptoms occur.
- 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.  
Get medical attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention if symptoms occur.  
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : Prolonged or repeated contact may dry skin and cause irritation.  
Causes serious eye irritation.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.


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Notes to physician : Treat symptomatically and supportively.

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**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides  
Metal oxides  
Silicon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
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**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

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determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**SECTION 7. HANDLING AND STORAGE**

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Do not get on skin or clothing.  
Avoid inhalation of vapor or mist.  
Do not swallow.  
Do not get in eyes.  
Handle in accordance with good industrial hygiene and safety practice.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

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

| Ingredients                                    | CAS-No.    | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|--|------------|----------------------------------|---|-----------|
| Distillates (petroleum),<br>hydrotreated light | 64742-47-8 | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | OSHA Z-1  |
|  |            | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | NIOSH REL |
|  |            | ST (Mist)                        | 10 mg/m <sup>3</sup>                              | NIOSH REL |
| White mineral oil (petroleum)                  | 8042-47-5  | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | OSHA Z-1  |
|  |            | TWA (Inhalable fraction)         | 5 mg/m <sup>3</sup>                               | ACGIH     |
|  |            | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | NIOSH REL |
| Propylene glycol                               | 57-55-6    | ST (Mist)                        | 10 mg/m <sup>3</sup>                              | NIOSH REL |
|  |            | TWA                              | 10 mg/m <sup>3</sup>                              | US WEEL   |
| Petrolatum                                     | 8009-03-8  | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | OSHA Z-1  |
|  |            | TWA (Inhalable fraction)         | 5 mg/m <sup>3</sup>                               | ACGIH     |
|  |            | TWA (Mist)                       | 5 mg/m <sup>3</sup>                               | NIOSH REL |
|  |            | ST (Mist)                        | 10 mg/m <sup>3</sup>                              | NIOSH REL |

**Hazardous components without workplace control parameters**

| Ingredients | CAS-No. |
|-------------|---------|
|             |         |


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|   |            |
|---|------------|
| Ethoxylated branched C11-14,<br>C13-rich alcohols | 78330-21-9 |
|---|------------|

- Engineering measures** : 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 Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.
- Personal protective equipment**
- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection
- Material : Impervious gloves
- Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
- Eye protection : Wear the following personal protective equipment:  
Safety goggles
- Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| Appearance                              | : liquid  |
| Color                                   | : green, opaque   |
| Odor                                    | : citrus  |
| Odor Threshold                          | : No data available   |
| pH                                      | : 6 - 8   |
| Melting point/freezing point            | : No data available   |
| Solidification / Setting point          | : 11.5 °C   |
| Initial boiling point and boiling range | : 99 °C   |
| Flash point                             | : > 100 °C  |
| Evaporation rate                        | : No data available   |
| Flammability (solid, gas)               | : Not applicable  |
| Upper explosion limit                   | : No data available   |
| Lower explosion limit                   | : No data available   |
| Vapor pressure                          | : No data available   |
| Relative vapor density                  | : No data available   |
| Density                                 | : 0.91 g/cm <sup>3</sup>                                    |
| Solubility(ies)                         |   |
| Water solubility                        | : soluble   |
| Partition coefficient: n-octanol/water  | : Not applicable  |
| Autoignition temperature                | : No data available   |
| Decomposition temperature               | : The substance or mixture is not classified self-reactive. |
| Viscosity                               |   |
| Viscosity, kinematic                    | : 2,000 - 12,000 mm <sup>2</sup> /s (20 °C)                 |
| Explosive properties                    | : Not explosive   |
| Oxidizing properties                    | : The substance or mixture is not classified as oxidizing.  |

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**SECTION 10. STABILITY AND REACTIVITY**

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

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

Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

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

**Ingredients:****Distillates (petroleum), hydrotreated light:**

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

**White mineral oil (petroleum):**

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

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Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

**Ethoxylated branched C11-14, C13-rich alcohols:**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Expert judgment

**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

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal 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 (Rat): > 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

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result: No skin irritation

**Ingredients:****Distillates (petroleum), hydrotreated light:**

Assessment: Repeated exposure may cause skin dryness or cracking.

**White mineral oil (petroleum):**

Species: Rabbit  
Result: No skin irritation

**Ethoxylated branched C11-14, C13-rich alcohols:**

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

**Propylene glycol:**

Species: Rabbit



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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

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Ingredients:****Distillates (petroleum), hydrotreated light:**

Species: Rabbit

Result: No eye irritation

**White mineral oil (petroleum):**

Species: Rabbit

Result: No eye irritation

**Ethoxylated branched C11-14, C13-rich alcohols:**

Result: Irreversible effects on the eye

Remarks: Based on data from similar materials

**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

**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:****Distillates (petroleum), hydrotreated light:**

Test Type: Maximization Test (GPMT)

Routes of exposure: Skin contact

Species: Guinea pig

Result: negative

Remarks: Based on data from similar materials

**White mineral oil (petroleum):**

Test Type: Buehler Test


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Routes of exposure: Skin contact  
 Species: Guinea pig  
 Result: negative

**Ethoxylated branched C11-14, C13-rich alcohols:**

Test Type: Human repeat insult patch test (HRIPT)  
 Routes of exposure: Skin contact  
 Result: negative  
 Remarks: Based on data from similar materials

**Propylene glycol:**

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

**Petrolatum:**

Test Type: Buehler Test  
 Routes of exposure: Skin contact  
 Species: Guinea pig  
 Result: negative  
 Remarks: Based on data from similar materials

**Germ cell mutagenicity**

Not classified based on available information.

**Ingredients:**
**Distillates (petroleum), hydrotreated light:**

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

**White mineral oil (petroleum):**

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)  
 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  
 Species: Mouse


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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)  
 Species: Mouse  
 Application Route: Intraperitoneal injection  
 Method: OECD Test Guideline 474  
 Result: negative  
 Remarks: Based on data from similar materials

**Carcinogenicity**

Not classified based on available information.

**Ingredients:**
**White mineral oil (petroleum):**

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 ingredient 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 ingredient 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 ingredient 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.

**Ingredients:**

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**Distillates (petroleum), hydrotreated light:**

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 fetal development    : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**White mineral oil (petroleum):**

Effects on fertility            : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Skin contact  
Result: negative

Effects on fetal development    : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Propylene glycol:**

Effects on fertility            : Species: Mouse  
Application Route: Ingestion  
Result: negative

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

**Petrolatum:**

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

Effects on fetal development    : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Skin contact  
Result: negative  
Remarks: Based on data from similar materials

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Not classified based on available information.

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**Repeated dose toxicity****Ingredients:****Distillates (petroleum), hydrotreated light:**

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

**White mineral oil (petroleum):**

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

**Aspiration toxicity**

Not classified based on available information.

**Product:**

No aspiration toxicity classification

**Ingredients:****Distillates (petroleum), hydrotreated light:**

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.

**White mineral oil (petroleum):**

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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**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Ingredients:**
**Distillates (petroleum), hydrotreated light:**

- 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

**White mineral oil (petroleum):**

- 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

**Ethoxylated branched C11-14, C13-rich alcohols:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.6 mg/l  
 Exposure time: 96 h

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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 algae : EC50: > 1 - 10 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC (Lepomis macrochirus (Bluegill sunfish)): > 0.33 mg/l  
Exposure time: 30 d  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.77 mg/l  
Exposure time: 21 d  
Remarks: Based on data from similar materials

**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) : NOEC (Ceriodaphnia dubia (water flea)): 29,000 mg/l  
Exposure time: 7 d

Toxicity to bacteria : NOEC (Pseudomonas putida): > 20,000 mg/l  
Exposure time: 18 h

**Petrolatum:**

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Test substance: Water Accommodated Fraction  
Remarks: Based on data from similar materials

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction

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Method: OECD Test Guideline 201  
 Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l  
 Exposure time: 21 d  
 Test substance: Water Accommodated Fraction  
 Remarks: Based on data from similar materials

**Persistence and degradability**
**Ingredients:**
**Distillates (petroleum), hydrotreated light:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: 82 %  
 Exposure time: 24 d  
 Method: OECD Test Guideline 301F

**White mineral oil (petroleum):**

Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: 31 %  
 Exposure time: 28 d

**Ethoxylated branched C11-14, C13-rich alcohols:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: 95 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301F  
 Remarks: Based on data from similar materials

**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

**Bioaccumulative potential**
**Ingredients:**
**Propylene glycol:**

Partition coefficient: n-octanol/water : log Pow: -1.07

**Mobility in soil**

No data available




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**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.<br>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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**
**49 CFR**

Not regulated as a dangerous good

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

| Ingredients      | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|------------------|-----------|-----------------------|--------------------------------|
| Sodium hydroxide | 1310-73-2 | 1000                  | *                              |

\*: 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.

|                             |   |                     |
|-----------------------------|---|---------------------|
| <b>SARA 311/312 Hazards</b> | : | Acute Health Hazard |
|-----------------------------|---|---------------------|

|                 |   |   |
|-----------------|---|---|
| <b>SARA 302</b> | : | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
|-----------------|---|---|

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**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.

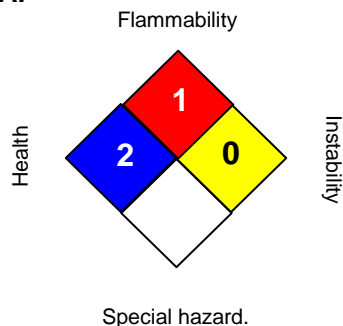
**US State Regulations**
**Pennsylvania Right To Know**

|   |             |           |
|---|-------------|-----------|
| Distillates (petroleum), hydrotreated light | 64742-47-8  | 30 - 50 % |
| Water                                       | 7732-18-5   | 30 - 50 % |
| White mineral oil (petroleum)               | 8042-47-5   | 10 - 20 % |
| Oleic acid                                  | 112-80-1    | 5 - 10 %  |
| Perlite                                     | 130885-09-5 | 1 - 5 %   |
| Propylene glycol                            | 57-55-6     | 1 - 5 %   |
| Petrolatum                                  | 8009-03-8   | 1 - 5 %   |
| Sodium hydroxide                            | 1310-73-2   | 0.1 - 1 % |

**New Jersey Right To Know**

|   |             |           |
|---|-------------|-----------|
| Distillates (petroleum), hydrotreated light | 64742-47-8  | 30 - 50 % |
| Water                                       | 7732-18-5   | 30 - 50 % |
| White mineral oil (petroleum)               | 8042-47-5   | 10 - 20 % |
| Oleic acid                                  | 112-80-1    | 5 - 10 %  |
| Perlite                                     | 130885-09-5 | 1 - 5 %   |
| Propylene glycol                            | 57-55-6     | 1 - 5 %   |

**California Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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

**HMIS III:**

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>2</b> |
| <b>FLAMMABILITY</b>    | <b>1</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

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

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits


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|  |   |   |
|--|---|---|
| OSHA Z-1   | : | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  |
| US WEEL  | : | USA. Workplace Environmental Exposure Levels (WEEL)   |
| ACGIH / TWA  | : | 8-hour, time-weighted average   |
| 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  |
| US WEEL / TWA  | : | 8-hr TWA  |
| 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 Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> |
| Revision Date  | : | 02/12/2015  |

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.

US / Z8