## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**  
JR Watkins Lemon Hand & Body Lotion

**Recommended Use**  
Skin-care

**Supplier Address**
Watkins Incorporated  
150 Liberty Street, Winona, MN, 55987  
US  
Phone: 507-457-6083  
Fax: 507-452-6723  
Contact: Tricia Hodgdon  
Contact Phone: 507-457-6083  
Emergency Phone: 507-457-3300

**Company Emergency Phone Number** 507-457-3300

## 2. HAZARDS IDENTIFICATION

**WARNING!**

**Emergency Overview**
May be harmful if swallowed, inhaled, or absorbed through skin  
May cause skin irritation and/or dermatitis  
May cause sensitization by skin contact

**Appearance** White  
**Physical State** Liquid  
**Odor** Lemon

### Potential Health Effects
Principle Routes of Exposure
Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes
May cause eye irritation with susceptible persons.

Skin
May be harmful in contact with skin. May cause sensitization by skin contact.

Inhalation
May be harmful if inhaled.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects
Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions

Interactions with Other Chemicals

Environmental Hazard
See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60 - 100</td>
</tr>
<tr>
<td>Hexanoic acid, 2-ethyl-, C12-15-alkyl esters</td>
<td>90411-66-8</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Glycerides, mixed decanoyl and octanoyl</td>
<td>73398-61-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Aloe vera gel</td>
<td>8001-97-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Palmitic acid</td>
<td>57-10-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>57-11-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Myristic acid</td>
<td>544-63-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Heptadecanoic acid</td>
<td>506-12-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Allantoin</td>
<td>97-59-6</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Cetyl alcohol</td>
<td>36653-82-4</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Fragrance (Irritating to eyes)</td>
<td>Fragrance</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Poly(dimethylsiloxane)</td>
<td>63148-62-9</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-</td>
<td>16485-10-2</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>dimethyl, (±)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Calendula extract</td>
<td>84776-23-8</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Diazolidinyl urea</td>
<td>78491-02-8</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Methyl p-hydroxybenzoate</td>
<td>99-76-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Propyl-p-hydroxybenzoate</td>
<td>94-13-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Vitamin E acetate</td>
<td>58-95-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Disodium EDTA</td>
<td>138-33-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Acrylates/C10-30 Alkyl Acrylate Crosspolymer</td>
<td>RR-05148-9</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Chamomilla Recutita</td>
<td>84082-60-0</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Linden flowers, extract (tilia spp.)</td>
<td>84929-52-2</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Centaurea cyanus flower extract (Cornflower flower</td>
<td>84012-18-0</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>extract)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthemis nobilis, Extrakt</td>
<td>84649-86-5</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>St. Johnswort leaves, flowers, and caulis</td>
<td>84082-80-4</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Stearate, glyceryl</td>
<td>85666-92-8</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Octadecanoic acid, ester with 1,2,3-propanetriol</td>
<td>11099-07-3</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Glyceryl monostearate</td>
<td>31566-31-1</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Glyceryl stearate</td>
<td>123-94-4</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Glyceryl stearate</td>
<td>123-94-4</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

General Advice
Immediate medical attention is not required. Show this safety data sheet to the doctor in attendance.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact
Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

Ingestion
Rinse mouth. Drink plenty of water. Do not induce vomiting. If symptoms persist, call a physician.

Notes to Physician
May cause sensitization of susceptible persons. Use of epinephrine may be indicated.

Protection of First-aiders
Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Not flammable

Flash Point
> 250°C / > 482°F

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Uniform Fire Code
• Sensitizer: Liquid
• Other Health Hazard: Target Organ Toxin--Liquid

Hazardous Combustion Products
Carbon oxides

Explosion Data
Sensitivity to mechanical impact
Not sensitive

Sensitivity to static discharge
Not sensitive

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA
Health Hazard 2
Flammability 1
Stability 0
Physical and Chemical Hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Avoid contact with the skin and the eyes.

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Use personal protective equipment. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.
7. HANDLING AND STORAGE

Handling
Wear personal protective equipment. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use.

Storage
Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>TWA: 5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glyceryl stearate</td>
<td>TWA: 10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glyceryl monostearate</td>
<td>TWA: 10 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment
Eye/face Protection
No special protective equipment required.

Skin and body protection
Wear protective gloves/clothing.

Respiratory Protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

Hygiene Measures
Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
White

Odor
Lemon

Odor Threshold
No information available

Physical State
Liquid

pH
7

Flash Point
> 250°C / > 482°F

Autoignition Temperature
Not applicable

Decomposition temperature
No data available

Boiling Point/Range
No data available

Melting Point/Range
No data available

Explosion Limits
No data available

Flammability Limits in Air
No data available

Revision Date 11-Jan-2007
10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.

Conditions to Avoid
None known based on information supplied

Incompatible Products
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

Hazardous Polymerization
Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product does not present an acute toxicity hazard based on known or supplied information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral VALUE (mg/kg)</th>
<th>LD50 Dermal VALUE</th>
<th>LC50 Inhalation (VAPOR) VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerides, mixed decanoyl and octanoyl</td>
<td>5000 mg/kg (Rat)</td>
<td>10 g/kg (Rabbit)</td>
<td>570 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Aloe vera gel</td>
<td>5 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>4190 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Palmitic acid</td>
<td>10 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Myristic acid</td>
<td>10 g/kg (Rat)</td>
<td>5 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Cetyl alcohol</td>
<td>5 g/kg (Rat)</td>
<td>2600 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Poly(dimethylsiloxane)</td>
<td>17 g/kg (Rat)</td>
<td>2 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>20000 mg/kg (Rat)</td>
<td>20800 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Diazolidiny urea</td>
<td>2600 mg/kg (Rat)</td>
<td>2 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Disodium EDTA</td>
<td>2 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subchronic Toxicity (28 days)

Chronic Toxicity
Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.

Carcinogenicity
There are no known carcinogenic chemicals in this product

Mutagenicity
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EU - Annex I Mutagens</th>
<th>Japan Mutagens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diazolidinyl urea</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Reproductive Toxicity  This product does not contain any known or suspected reproductive hazards.

Target Organ Effects  Eyes, Kidney, Respiratory system, Skin.

Endocrine Disruptor Information  This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerides, mixed decanoyl and octanoyl</td>
<td></td>
<td></td>
<td></td>
<td>EC50 &gt; 2.2 mg/L 24 h</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td>EC50 &gt; 500 mg/L 24 h</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>EC50 = 169 mg/L 96 h</td>
<td>EC50 &gt; 10000 mg/L 30 min</td>
<td>EC50 = 1386 mg/L 24 h</td>
<td></td>
</tr>
<tr>
<td>Myristic acid</td>
<td></td>
<td></td>
<td></td>
<td>EC50 &gt; 27 mg/L 16 h</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>EC50 = 19000 mg/L 96 h</td>
<td>EC50 = 710 mg/L 30 min</td>
<td>EC50 &gt; 10000 mg/L 48 h</td>
<td></td>
</tr>
<tr>
<td>Disodium EDTA</td>
<td></td>
<td></td>
<td></td>
<td>EC50 = 56 mg/L 8 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>-1.76</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>-2.53</td>
</tr>
<tr>
<td>Myristic acid</td>
<td>5.9</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method  This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)

Contaminated Packaging  Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT  Not regulated

TDG  Not regulated

MEX  Not regulated

ICAO  Not regulated

IATA  Not regulated

IMDG/IMO  Not regulated

RID  Not regulated
14. TRANSPORT INFORMATION

ADR  
Not regulated

ADN  
Not regulated

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NSDL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>Complies</td>
</tr>
<tr>
<td>ELINCS</td>
<td>Complies</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>CHINA</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>HAPS data</th>
<th>VOC Chemicals</th>
<th>Class 1 Ozone Depleters</th>
<th>Class 2 Ozone Depleters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>1 - 5</td>
<td></td>
<td>Group II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>1 - 5</td>
<td></td>
<td>Group I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>0.1 - 1</td>
<td></td>
<td>Group I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Pesticide Information
Chemical Name | FIFRA - Restricted Use | FIFRA - Pesticide Product Other Ingredients | FIFRA - Listing of Pesticide Chemicals | California Pesticides - Restricted Materials
--- | --- | --- | --- | ---
Water | | List 4A - Minimum Risk Inerts | | X
Glycerol | | List 4A - Minimum Risk Inerts | | X
Aloe vera gel | | List 3 - Unknown Toxicity | | X
Triethanolamine | | List 2 - Potentially Toxic | | X
Palmitic acid | | List 4A - Minimum Risk Inerts | | X
Octadecanoic acid | | List 4A - Minimum Risk Inerts | | X
Myristic acid | | List 4A - Minimum Risk Inerts | | X
Allantoin | | List 3 - Unknown Toxicity | | X
Cetyl alcohol | | List 4B - Inert Ingredients | | X
Poly(dimethylsiloxane) | | List 4B - Inert Ingredients | | X
Propylene Glycol | | List 4B - Inert Ingredients | | X
Diazolidinyl urea | | List 3 - Unknown Toxicity | | X
Methyl p-hydroxybenzoate | | List 4B - Inert Ingredients | | X
Propyl-p-hydroxybenzoate | | List 4B - Inert Ingredients | | X
Vitamin E acetate | | List 3 - Unknown Toxicity | | X
Disodium EDTA | | List 4B - Inert Ingredients | | X
Glyceryl monostearate | | List 4A - Minimum Risk Inerts | | X
Octadecanoic acid, ester with 1,2,3-propanetriol | | List 4A - Minimum Risk Inerts | | X

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Poly(dimethylsiloxane)</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

International Regulations

Mexico - Grade
Slight risk, Grade 1

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td></td>
<td>Mexico: TWA= 10 mg/m³</td>
</tr>
</tbody>
</table>

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D2B  Toxic materials
16. OTHER INFORMATION

Issuing Date 12-Jan-2007
Revision Date 11-Jan-2007
Revision Note No information available

Disclaimer
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS