1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Industrial Fast Orange(R) Smooth Hand Cleaner
Item No.: 23108
Part No.: 23-108
Product Type: Industrial Waterless Handcleaner

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>80-90</td>
</tr>
<tr>
<td>Terpenes and terpenoids, sweet orange-oil</td>
<td>68647-72-3</td>
<td>5-15</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td>***</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy,</td>
<td>127036-24-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>Proprietary</td>
<td>0.1-1</td>
</tr>
</tbody>
</table>

***d-Limonene is a major fraction of the sweet orange oil terpenes/terpenoids.

Ingredients which have exposure limits

<table>
<thead>
<tr>
<th>Exposure Limits (TWA)</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-Limonene</td>
<td>None</td>
<td>None</td>
<td>30 ppm</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>5 mg/m3 TWA</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>


3. HAZARDS IDENTIFICATION

Toxicity: Oral LD50 more than 5000 mg/kg
Primary Routes of Entry: Skin contact, ingestion, and inhalation.
Signs and Symptoms of Exposure: None under normal conditions of use.
Existing Conditions Aggravated by Exposure: None known
### 3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Literature Referenced</th>
<th>Carcinogen</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>NTO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Terpenes and terpenoids, sweet orange-oil</td>
<td>No Data</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>d-Limonene</td>
<td>IRR</td>
<td>NO</td>
<td>N/A</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), a-un decyl-w-hydroxy,</td>
<td>No Data</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>No Data</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>

**Abbreviations**

- N/A Not Applicable
- IRR Irritant
- NTO No Target Organs

### 4. FIRST AID MEASURES

- **Ingestion:** Do not induce vomiting. Call physician immediately.
- **Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.
- **Skin Contact:** Flush with water.
- **Eye Contact:** Flush at least 15 minutes with water. Call physician immediately.

### 5. FIRE FIGHTING MEASURES

- **Flash Point:** Greater than 200°F COC
- **Recommended Extinguishing Agents:** Carbon dioxide, chemical powder
- **Special Firefighting Procedures:** Not available
- **Hazardous Products formed by Fire or Thermal Decomp:** Irritating organic vapors
- **Unusual Fire or Explosion Hazards:** None
- **Explosive Limits:**
  - (% by volume in air)Lower: Not available
  - (% by volume in air)Upper: Not available
6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:
Rinse away with water or wipe up with a towel.

7. HANDLING AND STORAGE

Safe Storage: Hand cleaner should be stored between 40°F and 100°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Follow all general safety precautions. Keep away from children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Not normally needed, but safety glasses offer increased protection.
Skin: None normally needed.
Ventilation: Some local ventilation may be desired for prolonged exposure in a confined area.
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Viscous Lotion
Odor: Orange
Boiling Point: Not Available
pH: 7.0
Solubility in Water: Soluble
Specific Gravity: 0.97
Volatile Organic Compound (EPA Method 24) 10.2%; 98.9 grams per liter of material
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate (Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None
11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of uncontaminated material through sewage system with permission of the authority responsible for that system. Follow EPA and local regulations.

EPA Hazardous Waste Number NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present at or above the No Significant Risk level.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 2
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1
Flammability Hazard: 2
Product Name: Loctite(R) Industrial Fast Orange(R) Smooth Hand Cleaner
Item No.: 23108

16. OTHER INFORMATION

Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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Company: Loctite Corp.,
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(24hr.) Phone: (860) 571-5100
Revision Date: November 16, 2000 Revision: 0002