



## SAFETY DATA SHEET

### SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Z-Specialty Products, Inc.**

**3400 North Ninth St.**

**St. Louis, MO 63147**

Telephone for Information 314-231-3331 800-533-7404

**Emergency** CHEMTREC, 1.800.424.9300

Product Name: **Z-GRAND SLAM HAND CLEANER (Pumice or Non-Pumice)**  
Product Use: Industrial Hand Cleaner  
Date of issue: 6-19-15

### SECTION II: HAZARDS IDENTIFICATION

#### Emergency overview

#### GHS Label element

Not a dangerous substance according to GHS.

#### Carcinogenicity:

**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.

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

**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.

### SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS number	% by Weight
d-Limonene	94742-4798	<50
Naptha (Petroleum)	64741-65-7	<25
Nonylphenol Ethylene Oxide	9016-45-9	<10

## SECTION IV: FIRST AID MEASURES

**Eye Contact:** Remove contact lenses. Flush eyes with a directed stream of water for at least 15 minutes. Forcibly hold eyelids apart to ensure complete irrigation of all eye lid tissue. Get medical attention if irritation persists.

**Skin Contact:** This product is formulated for use on skin but should always be washed off with plenty of water. Discontinue use if redness, dryness, or irritation develops.

**Ingestion:** If person is conscious, immediately administer large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.  
GET IMMEDIATELY MEDICAL ATTENTION.

**Inhalation:** Move the exposed person to fresh air at once. If breathing stops, give artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention if irritation persists.

**General Advise:** Show this safety data sheet to the doctor in attendance.

## SECTION V: FIRE FIGHTING MEASURES

**Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>)

**Special Fire Fighting Procedure and Personal Protection:** Wear self-contained breathing apparatus for firefighting if necessary. Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Smoke

**Flash Point (Method)** No Data Available

**Auto Ignition Temperature** Non-combustible

## SECTION VI: ACCIDENTAL RELEASE MEASURES

**Spill Clean Up:** Spillage can be slippery. Always wear protective clothing, safety goggles, gloves, etc. Small spills (less than 55 gallon) absorb into clay, paper, sand and sweep or scoop into containers. Large spills (over 55 gallon) dike to minimize contaminated area. Pump or vacuum liquid into salvage tank, absorb remaining liquid into sand, clay, paper. Scoop into container. Incinerate or landfill burial in accordance with federal, state, and local regulations. Caution: Prevent product from entering drains.

## SECTION VII: HANDLING AND STORAGE

Avoid contact with eyes. Smoking, eating and drinking should be prohibited in the application area. Rinse water should be disposed of in accordance with federal, state, and local regulations.

## SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

#### Product name

d-Limonene

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Naptha (Petroleum)

OSHA	8-hr	500 ppm
	8-hr	2,000 mg/m <sup>3</sup>
	8-hr	400 ppm
	8-hr	1600 mg/m <sup>3</sup>

Nonylphenol Ethylene Oxide

DNEL Exposure Limit Values	No Data Available
PNEC Exposure Limit Values	No Data Available

#### Personal Protective Equipment (PPE)

Eyes

Safety glasses recommended but not required.

Body

This product is intended for use on the skin. Always rinse thoroughly with water to prevent dryness.



## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Semi-paste
<b>pH</b>	7.6—8.5
<b>Boiling Point</b>	Not established
<b>Specific Gravity</b>	Not established
<b>Solubility</b>	Emulsifiable
<b>Color</b>	White semi-paste
<b>Odor</b>	Pleasant Citrus Scent
<b>Vapor Pressure</b>	Not established
<b>Vapor Density</b>	Not established
<b>Evaporation Rate</b>	Not established

## SECTION X: STABILITY AND REACTIVITY

**Stability:** The product is stable.

**Incompatibility:** Oxidizing agents

**Conditions to Avoid:** Heat, flames and sparks.

**Hazardous Products of Decomposition:** None Known

**Polymerization:** Will not occur

## SECTION XI: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### d-Limonene

LD50 Oral: = 4400 mg/kg RAT

LD50 Dermal: = >5 g/kg RABBIT

Avoid breathing vapors or mists. Inhalation in high concentrations may cause irritation of respiratory system.

Avoid eye contact. Contact may cause irritation.

Ingestion: Do not taste or swallow. May be harmful if swallowed.

#### Naptha (Petroleum)

LD50 Oral: >2000 mg/kg Species: RAT

LC50 Inhalation: >5.9 mg/l, 4h, Species: RAT

LD50 Dermal: >2999 mg/kg Symptoms: Local irritation

#### Nonylphenol Ethylene Oxide

LD50 Oral: 500 < LD50 < 2000: RAT

LD50 Dermal: 100 < KD50 < 2000 RABBIT

Eye Irritation: Fully reversible with 7 days.

## SECTION XII: ECOLOGICAL INFORMATION

### Environmental Effects

No Data Available

#### Aquatic

##### Ecotoxicity

#### d-Limonene

0.619-0796: 96 h Pimephales promelas mg/L LC50

Flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50

##### Persistence and degradability:

No information available

##### Bioaccumulation:

No information available

##### Mobility in Soil:

No Data Available

#### Aquatic

##### Ecotoxicity

#### Naptha (Petroleum)

LC50: >1,000 mg/l Species FISH

##### Biodegradability

No Data Available

##### Bioaccumulation

No Data Available

##### Mobility in Soil:

No Data Available

#### Aquatic

##### Ecotoxicity

#### Nonylphenol Ethylene Oxide

##### Persistence and degradability

Readily biodegradable

##### Bioaccumulation:

No Data Available

##### Mobility in Soil:

No Data Available

**Additional ecological information:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

## SECTION XIII: DISPOSAL CONSIDERATIONS

### Waste Information

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

### Contaminated packaging:

Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

## SECTION XIV: TRANSPORT INFORMATION

Regulatory information	UN number	Proper shipping name	Classes	Packing Group	Label
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DOT Classification	Not regulated				
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NOTE: DOT classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

## SECTION XV: REGULATORY INFORMATION

### U.S. Federal Regulations

CERCLA Reportable Quantity: Does not contain components with a CERCA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

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

SARA 311/312

No products were found.

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.

TSCA: On TSCA Inventory

### State Regulations

California Prop 65

WARNING! This product contains a chemical known to the state of California to cause cancer.

## SECTION XVI: OTHER INFORMATION

*The information herein is presented in good faith and believed to be correct as of the date hereof. However, Z-Specialty Products makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.*

*No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.*