### Deep Cleaning Action For Most Surfaces Including:
- Sanded Grout
- Clay Pavers
- Glazed Tile
- Brick
- Non-sanded Grout
- Masonry
- Limestone
- Marble
- Stucco
- Any Acid-Sensitive Natural Stone
- Quarry Tile
- Ceramic Tile
- Terrazzo

### Uses
- Kitchen Counters
- Lobby Floors
- Interior Walls
- Bathroom Showers
- Porches & Patios
- Exterior Walls
- Monuments

### Special Features
- Easy-to-Use
- Interior & Exterior Use
- No Acid
- Safe for All Polished Stone

## PRODUCT DESCRIPTION
**KEEP OUT OF REACH OF CHILDREN.** Liquid Poultice is a unique two part formulation, (Bottle A & Bottle B), designed for deep cleaning all porous stone surfaces and grout. The percolating cleaning action of **Liquid Poultice** penetrates deep into the pores of the surface to safely lift out mold stains, mildew stains, algae stains, fungus stains, food grease, coffee, tea and other types of foreign matter from natural stone, grout, tile, concrete, stucco and masonry surfaces.

**Liquid Poultice** is a non-acidic cleaner that will not harm the polish on polished stone surfaces.

### Sample Testing
Due to the differences of each material, several inconspicuous test patches should be completed to assure maximum performance. **User must determine suitability of the product for their intended use.**

### Protect Neighboring Surfaces
Always protect neighboring surfaces including masonry, wood, carpet, metal, landscaping and other non-masonry surfaces.

### APPLICATION INSTRUCTIONS
Read entire label and PDS/MSDS before using.

Thoroughly mix 1 part of **Liquid Poultice (Bottle A)** with 2 parts hot water. (Cold water can be used but cleaning action will be reduced). Add 1 part **Activator (Bottle B)** to the above mixture. Once the Activator is added, be sure to keep the mixture vented to prevent oxygen build up. Mix in an open container. Once **Activator (Bottle B)** has been added, the solution must be used within 72 hours.

Wet the surface to be cleaned with water lightly before starting. Apply **Liquid Poultice** with Mira Brush a clean mop, self-feeding floor machine or sprayer. Allow the solution to stand for a minimum of 45 minutes while agitating periodically with the appropriate scrub brush. DO NOT allow solution to dry on the surface. If surface starts to dry, add more **Liquid Poultice Solution**. Extract all the dirty remains with a wet vacuum system. Rinse the surface thoroughly with hot water and allow to dry. Difficult stains may require a second application. On wall surfaces a fine mist of **Liquid Poultice** maybe left to dry after initial cleaning is complete. **Liquid Poultice** will continue to pull dirt to the surface for up to 72 hours after completion. Allow to dry 24 - 72 hours before sealing the surface.

### Heavy Duty Cleaning:
To remove lime, hard water deposits, efflorescence, rust and other dirt and grime use HDAC or Phosphoric Acid Cleaner as directed.

### Water, Stain & Slip Protection
To protect cleaned areas from future soiling, staining and increase static coefficient of friction. We recommend applying the appropriate Miracle Penetrating Sealer/Impregnator.

### Color and Gloss Enhancement
For added color with “Textured and Non-polished” surfaces, 511 Seal & Enhance or Mira Matte may be used. For porous type “Pavers”, 511 Seal & Enhance may be used as directed.

### Polish Enhancement
Periodically use Mira Dust, Mira Polish, Marble Conditioner or Granite Brite as directed.

### Coverage
Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application method. As directed, **Liquid Poultice** will cover approximately 500 - 1,000 square feet per gallon (45 - 93 square meters per 3.785 liters).

### MAINTENANCE
For ongoing maintenance instructions please refer to Miracle Sealants Care Guide. Refer to the Miracle Sealants Product Recommendation Chart for specific product recommendations.

### Storage
Store **Liquid Poultice (Bottle A)** and Activator (Bottle B) upright in their original containers, properly sealed and unmixed. Stored at 77°F (25°C), **Liquid Poultice** will have a shelf life of 12 months. Do not allow to freeze.

### Technical Support
For additional technical support, contact Miracle Sealants Company at 1-800-350-1901 or 626-443-6433 ext. 3013

### Office Hours
Monday - Friday from 8:30 am - 5:00 pm PT.
1-626-443-6433 or 1-800-350-1901 • Fax: 1-626-443-1435
website: www.miraclesealants.com

### Product Damaged During Transportation
If product is damaged during transportation contact Info Trac @ 1-800-535-5053

### Additional Products
Miracle Sealants Company offers a complete line of water & stain repellents, sealers, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it-yourself specialist.

### Caution
**Liquid Poultice** is an alkaline liquid. Store in cool area. Only use this product in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Continue to ventilate until odors are completely eliminated. Avoid contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. Refer to the MSDS for additional information.

### Warranty
Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealants Company shall be to replace such products proven to be defective. Before using, user shall determine the suitability of the product for their intended use. User assumes all risks and liability whatsoever in connection therein. Neither seller nor manufacturer shall be liable for any injury or inability to use this product.
1. IDENTIFICATION

Product Identifier
Product Name
Liquid Poultice Part A

Other means of identification
SDS #
MSC-002

Recommended use of the chemical and restrictions on use
Recommended Use
Deep Cleaning Solution.

Details of the supplier of the safety data sheet
Supplier Address
Miracle Sealants Company
12318 Lower Azusa Road
Arcadia, CA 91006

Emergency Telephone Number
Company Phone Number
1-626-443-6433 (Phone)
1-626-443-1435 (Fax)

Emergency Telephone (24 hr)
1-800-350-1901
For product spills, leaks or exposures call:
Infotrac 1-800-535-5053 (North America) or 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification
Skin corrosion/irritation
Category 2
Serious eye damage/eye irritation
Category 1

Signal Word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye damage

Appearance
Colorless liquid

Physical State
Liquid

Odor
Solvent
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
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
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

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>Proprietary</td>
</tr>
<tr>
<td>MSC-9303</td>
<td>Proprietary</td>
<td></td>
</tr>
<tr>
<td>MSC-9402</td>
<td>Proprietary</td>
<td></td>
</tr>
<tr>
<td>MSC-9401</td>
<td>Proprietary</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact
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.

Skin Contact
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation
Remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

Ingestion
Drink plenty of water. Call a physician.

Most important symptoms and effects

Symptoms
Direct contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. May cause skin irritation. Ingestion may cause nausea and burning sensation. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
Non-flammable.

Hazardous Combustion Products
None known.

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.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protection recommended in Section 8.

Environmental Precautions See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, for additional information.

Methods and material for containment and cleaning up

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

Methods for Clean-Up Absorb with inert material, and then place in suitable container for chemical waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Do not mix with other chemicals. Use in accordance with product label instructions. Use common sense and care around chemicals. Consult your supervisor for all other hygienic and safety precautions.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from sunlight. Do not store at temperatures below 0°C (32°F) or above 43°C (110°F). Keep out of the reach of children.

Incompatible Materials None known based on information supplied.

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>MSC-9303</td>
<td>STEL: 6 ppm TWA: 3 ppm</td>
<td>TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³</td>
<td>IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³</td>
</tr>
<tr>
<td>MSC-9401</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S²</td>
<td>IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.
Individual protection measures, such as personal protective equipment

Eye/Face Protection  Splash proof chemical safety goggles.
Skin and Body Protection  Chemical resistant, impermeable gloves. Wear appropriate chemical resistant clothing.
Respiratory Protection  Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.
General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Consult your supervisor for all other hygienic and safety precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.5-12.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>100 °C / 212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td></td>
<td>TOC</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Liquid-not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.013</td>
<td></td>
<td>(1=Water)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>11%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>111.5 g/L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  Not reactive under normal conditions.

Chemical Stability  Stable under recommended storage conditions.

Possibility of Hazardous Reactions  None under normal processing.

Hazardous Polymerization  Hazardous polymerization does not occur.
Conditions to Avoid
Keep out of reach of children.

Incompatible Materials
None known based on information supplied.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact  Avoid contact with eyes. Causes serious eye damage.

Skin Contact  Avoid contact with skin. Causes skin irritation.

Inhalation  Avoid breathing vapors or mists. May cause respiratory irritation.

Ingestion  Do not taste or swallow. May cause burning irritation.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9303</td>
<td>= 1720 mg/kg (Rat)</td>
<td>= 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>MSC-9401</td>
<td>= 470 mg/kg (Rat)</td>
<td>= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)</td>
<td>= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>MSC-9402</td>
<td>= 1 g/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms  Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity  The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9401</td>
<td>A3</td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 IARC components are “not classifiable as human carcinogens”

Numerical measures of toxicity
Not determined
12. ECOLOGICAL INFORMATION

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9303</td>
<td>15: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through</td>
<td>65: 48 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
<tr>
<td>MSC-9401</td>
<td>1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50</td>
<td></td>
<td>1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not determined

Bioaccumulation
Not determined

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9303</td>
<td>-1.91</td>
</tr>
<tr>
<td>MSC-9401</td>
<td>0.81</td>
</tr>
</tbody>
</table>

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.
14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
Not regulated

IATA
Not regulated

IMDG
Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA
Listed

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances-European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9401 -</td>
<td></td>
<td>Proprietary</td>
<td>1.0</td>
</tr>
</tbody>
</table>

US 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>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC-9303</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>MSC-9401</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Issue Date:** 01-Apr-2003  
**Revision Date:** 27-Jun-2013  
**Revision Note:** New format

**Disclaimer**

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.

**End of Safety Data Sheet**