

Epoxy Grout Film Remover

To Remove Epoxy Grout Residue From

- Ceramic Tile
- Concrete
- Porcelain Tile
- Quarry Tile
- Natural Stone

Special Features

- Low Odor
- No Methylene Chloride
- Rinses With Water
- Cost Effective
- Fast Acting

PRODUCT DESCRIPTION

KEEP OUT OF REACH OF CHILDREN. Epoxy Grout Film Remover is a unique product designed for the removal of epoxy grout film from tile, concrete and stone surfaces. It will eliminate most residue left behind after an epoxy grout has been used. In addition, Epoxy Grout Film Remover will remove a variety of epoxies, acrylic, gym finish, shellac, varnish and lacquer. Epoxy Grout Film Remover contains NO METHYLENE CHLORIDE. The residue and the film it has removed is miscible with water.

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 wood, carpet, metal, landscaping and other surfaces.

APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using. This product is to be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.

Small Areas or Spots: Apply Epoxy Grout Film Remover to the surface with a paint brush. Try to avoid getting on the grout joint. Allow to remain on the surface for 20 - 30 minutes and check repeatedly for softening of the cured epoxy film. You may need to allow for a longer cure time depending on how long film was down for and amount of film left on the surface. Allow to remain on the surface until the epoxy film is easily loosened. Remove Epoxy Grout Film Remover and residual epoxy film using a stiff-bristled brush (not steel wire) or coarse nylon scrubbing pad. Multiple applications may be necessary for more difficult situations. After removing residue, scrub the surface with a nylon pad and a solution of Tile & Stone Cleaner. Remove cleaning solution with a wet vacuum. Rinse with clean water after use and allow to dry.

Large Areas - Floors: Pour directly onto the surface and spread liberally with a brush or lamb's wool applicator. Work small areas approximately 3 feet wide. Avoid stepping into the solution. Allow to sit on the surface 15-30 minutes and agitate with a stiff brush. Begin checking for softening of the epoxy film every 5 minutes. Once the epoxy film has softened, remove it and the Epoxy Grout Film Remover with a wet vacuum, clean towels or mops. Multiple applications may be necessary. After removing residue, scrub the entire surface with a nylon brush or pad and a solution of Finish Sealer Stripper. Remove the cleaning solution with a wet vacuum. Rinse with clean water where necessary and allow to dry.

Special Note: Use Epoxy Grout Film Remover on the surfaces of the individual tiles, not the grout joint. In some extreme cases it may be necessary to treat the entire surface area. Regrouting may be necessary to repair softened or discolored grout joints. Used product must not be disposed of as ordinary waste. **Dispose of in accordance with state and local agencies.**

Heavy Duty Cleaning: Use Phosphoric Acid Cleaner, HDAC and Liquid Poulitice as directed.

Light Cleaning: Use Tile & Stone Cleaner, Porcelain & Ceramic Tile Cleaner, Grout Cleaner, Limestone/Travertine Soap and Counter Kleen as directed.

Remove the cleaning solution with a wet vacuum. Rinse with clean water where necessary and allow to dry.

Water, Stain & Slip Protection

To protect cleaned area from future soiling and 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, Marble Conditioner, Mira Brite, Mira Polish or Granite Brite as directed.

Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Epoxy Grout Film Remover will cover from 50 - 150 square feet per gallon.

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 Epoxy Grout Film Remover in the original container, properly sealed. Stored at 77° F (25° C), Epoxy Grout Film Remover 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.
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

Use in a well ventilated area. Chemical resistant gloves should be worn at all times. Skin and eye irritant. Avoid prolonged contact with skin. Avoid prolonged contact exposure to vapors. Do not take internally. Keep small children and pets out of area until product or surface 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.



Safety Data Sheet

Issue Date: 01-Apr-2003

Revision Date: 27-Jun-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Epoxy Grout Film Remover

Other means of identification

SDS # MSC-004

Product Code Identity No: 06523

Recommended use of the chemical and restrictions on use

Recommended Use Film Remover.

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

Appearance Light gold liquid

Physical State Liquid

Odor Solvent

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 4

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word**Danger****Hazard Statements**

Harmful if swallowed
 Toxic if inhaled
 Causes skin irritation
 Causes serious eye damage
 May damage fertility or the unborn child
 May cause respiratory irritation. May cause drowsiness or dizziness
 Combustible liquid

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep cool

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 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
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
MSC-9401	Proprietary	Proprietary
MSC-9205	Proprietary	Proprietary
MSC-9205B	Proprietary	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	If exposed or concerned: Get medical advice/attention.
Eye Contact	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. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Most important symptoms and effects

Symptoms	Causes serious eye damage. Causes painful stinging or burning of eyes and lids, watering of eyes. Causes skin irritation. Can be harmful if ingested. Ingestion may cause irritation, nausea, vomiting. Inhalation may cause dizziness, headaches, irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustible if heated.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂).

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.

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Do not mix with other chemicals. Avoid breathing vapors or mists. Use only outdoors or in a well-ventilated area. 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 direct sunlight. Do not store at temperatures below 0°C (32°F) or above 43°C (110°F). Keep out of the reach of children. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Incompatible Materials

Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
MSC-9401	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

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. If engineering controls do not maintain airborne concentrations below recommended exposure limits, a NIOSH/MSHA approved respirator must be worn.

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. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Solvent
Appearance	Light gold liquid	Odor Threshold	Not determined
Color	Light gold		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.5	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	<= 100 °C / 212 °F	
Flash Point	88 °C / 190 °F	
Evaporation Rate	determined Liquid-	
Flammability (Solid, Gas)	not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.955	(1=Water)
Water Solubility	Miscible in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	100%	
VOC Content	955 g/L	

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. See below - Incompatible Materials.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Excessive heat.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

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. May be harmful in contact with skin. Causes skin irritation.
Inhalation	Avoid breathing vapors or mists. Toxic by inhalation. May cause drowsiness or dizziness. May cause respiratory irritation.
Ingestion	Harmful if swallowed. Do not taste or swallow. Ingestion can cause irritation, nausea, or stomach distress.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
MSC-9401	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
MSC-9205	= 3598 mg/kg (Rat)	= 2500 mg/kg (Rat) > 5000 mg/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h
MSC-9205B	= 1540 mg/kg (Rat)	-	> 2.68 mg/L (Rat) 4 h

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.

Chemical Name	ACGIH	IARC	NTP	OSHA
MSC-9401	A3	Group 3		
MSC-9205B		Group 3		

Legend

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"

Reproductive toxicity May damage fertility or the unborn child.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

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.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
MSC-9401		1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50		1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50 1000: 48 h <i>Daphnia magna</i> mg/L EC50
MSC-9205	500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	832: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 4000: 96 h <i>Leuciscus idus</i> mg/L LC50 static 1072: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400: 96 h <i>Poecilia reticulata</i> mg/L LC50 static		4897: 48 h <i>Daphnia magna</i> mg/L EC50
MSC-9205B	360: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 79: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	220 - 460: 96 h <i>Leuciscus idus</i> mg/L LC50 static		500: 48 h <i>Daphnia magna</i> Straus mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
MSC-9401	0.81
MSC-9205	-0.46
MSC-9205B	-0.566

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

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
MSC-9401 -		Proprietary	1.0
MSC-9205 -		Proprietary	1.0

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
MSC-9205 -	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
MSC-9401	X	X	X
MSC-9205	X	X	X

16. OTHER INFORMATION

<u>NEPA</u>	Health Hazards	Flammability	Instability	Special Hazards Not
	2	1	0	determined Personal
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Protection Not
	2	1	0	determined

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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