

Version 1.0

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	MR.EATS-IT® FLOOR ADHESIVE REMOVER
Recommended use of the chemical	and restrictions on use
Recommended use : Manufacturer or supplier's details	Reserved for industrial and professional use.
	Microbial Restoration Services, LLC 16950 W SIBELIUS LN Gurnee, IL 60031
Emergency telephone number:	United States of America (USA)
Microbial Restoration Services, L	LC:-Infotrac: 1-800-535-5350
Additional Information:	Phone: 847-849-0163

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Serious eye damage	: Category 1
GHS label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	: H318 Causes serious eye damage.
Precautionary statements	 Prevention: P280 Wear eye protection/ face protection. Response: P305 + P351 + P338 + P310 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/ doctor.
Other hazards None known.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	10 - 25



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64-02-8	Tetrasodium ethylenediaminetetraacetate	1 - 5	

1 - 15

68439-46-3 Alcohols, C9-11, ethoxylated

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice	 Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice.
In case of skin contact	If symptoms persist, call a physician.If skin irritation persists, call a physician.If on skin, rinse well with water.
In case of eye contact	If on clothes, remove clothes.Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses.
	Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	 If eye irritation persists, consult a specialist. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
	If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or c bon dioxide.	ar-
Unsuitable extinguishing media	High volume water jet	
Specific hazards during fire- fighting	Do not allow run-off from fire fighting to enter drains or wat courses.	er
Hazardous combustion prod- ucts	Carbon oxides sulfur oxides Nitrogen oxides (NOx)	
Further information	Collect contaminated fire extinguishing water separately. T must not be discharged into drains. Fire residues and contaminated fire extinguishing water m be disposed of in accordance with local regulations.	
Special protective equipment	Wear self-contained breathing apparatus for firefighting if r	nec-



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for firefighters

essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	Use personal protective equipment.	
Environmental precautions	Collect spillage.	
Methods and materials for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica ge acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.	,

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	 Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	 Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are un- known, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respi- rator if there is any potential for uncontrolled release, expo- sure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection	



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Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	 Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concen- tration of the dangerous substance at the work place.
Hygiene measures	 When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colour Odour Odour Threshold pH	 liquid off-white light brown characteristic No data available No data available
Freezing Point Boiling Point Flash point	 No data available No data available > 100 °C (> 212 °F)
Evaporation rate Flammability (solid, gas) Upper explosion limit	No data availableNo data availableNo data available
Lower explosion limit	: No data available
Vapour pressure Relative vapour density Relative density	 No data available No data available 1.009 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	: 1.0 g/cm3 @ 25 °C (77 °F) Calculated Density/Liquid Density
Water solubility Solubility in other solvents Partition coefficient: n- octanol/water	 No data available No data available No data available
Auto-ignition temperature Thermal decomposition	: No data available : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	No decomposition if stored and applied as directed.



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tions Conditions to avoid Incompatible materials

No data available
 Acids

 aluminum
 Bases
 halogens
 Oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity		
Product: Acute oral toxicity	Acute toxicity estimate: > 5,000 mg/kg	
Acute inhalation toxicity	Acute toxicity estimate: > 200 mg/l Exposure time: 4 h Test atmosphere: vapour	
Acute dermal toxicity	Acute toxicity estimate: > 5,000 mg/kg	
<u>Components:</u> 68584-22-5: Acute oral toxicity	Assessment: The component/mixture is moderately toxic after single ingestion.	
Acute inhalation toxicity	LC50 (Rat, male and female): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The component/mixture is moderately toxic after short term inhalation.	
Acute dermal toxicity	Assessment: The component/mixture is moderately toxic after single contact with skin. Remarks: Based on data from similar materials	
64-02-8: Acute oral toxicity	LD50 (Rat): 630 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion.	
Acute inhalation toxicity	LC50 (Rat): 10 mg/l Test atmosphere: dust/mist Assessment: The component/mixture is moderately toxic after short term inhalation.	
Acute dermal toxicity	Remarks: No data available	
68439-46-3: Acute oral toxicity	Assessment: The component/mixture is moderately toxic after single ingestion.	



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Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity

: LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation

Components:

64-02-8: Species: Rabbit Result: No skin irritation

68439-46-3:

Result: No skin irritation Remarks: Based on data from similar materials

Serious eye damage/eye irritation

Components:

68584-22-5: Species: Rabbit Result: Irritating to eyes.

64-02-8: Species: Rabbit Result: Risk of serious damage to eyes.

68439-46-3:

Species: Rabbit Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Components:

64-02-8: Species: Guinea pig Result: Did not cause sensitisation on laboratory animals.

68439-46-3:

Test Type: Maximization test Species: Guinea pig Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:	
64-02-8: Germ cell mutagenicity -	: Tests on bacterial or mammalian cell cultures did not show
Assessment	mutagenic effects.
68439-46-3: Genotoxicity in vitro	: Test Type: Ames test



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	Species: Salmonella typhimurium Result: negative
Germ cell mutagenicity - Assessment	: Mutagenicity classification not possible from current data
Carcinogenicity	
Components:	
64-02-8:	
Carcinogenicity - Assess- ment 68439-46-3:	: No evidence of carcinogenicity in animal studies.
Carcinogenicity - Assess- ment	: Carcinogenicity classification not possible from current data
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.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinoge by NTP.
Reproductive toxicity	
<u>Components:</u> 64-02-8:	
Teratogenicity - Assessment	: No evidence of adverse effects on sexual function and fertili or on development, based on animal experiments.
68439-46-3: Reproductive toxicity - As- sessment	Fertility classification not possible from current data.
Teratogenicity - Assessment	: Embryotoxicity classification not possible from current data.
Aspiration toxicity	
Components: 64-02-8: No aspiration toxicity classifica	ation
Further information	
Further information Product:	



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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

<u>Components:</u> 64-02-8:		
64-02-6: Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 486 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 625 mg/l Exposure time: 24 h Test Type: static test
Toxicity to algae	:	EC50 (Desmodesmus subspicatus (green algae)): 2.77 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test
Acute aquatic toxicity- As-	:	Toxic to aquatic life.
sessment Chronic aquatic toxicity- As- sessment	:	Toxic to aquatic life with long lasting effects.
68439-46-3: Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 12 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 5.4 mg/l Exposure time: 48 h
Toxicity to algae	:	ErC50 (Desmodesmus subspicatus (green algae)): > 8.9 mg/l Exposure time: 72 h
Acute aquatic toxicity- As-	:	Very toxic to aquatic life.
sessment Chronic aquatic toxicity- As- sessment	:	Harmful to aquatic life with long lasting effects.
Persistence and degradabilit	y	
<u>Components:</u> 68439-46-3: Biodegradability	:	Remarks: Readily biodegradable, according to appropriate OECD test.
Bioaccumulative potential No data available		
Mobility in soil No data available		



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Other adverse effects	
Product:	
Ozone-Depletion Potential	 Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological infor- mation	 An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	: Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs, contact Microbial Restoration Services LLC-Infotrac 1-800-535-5350.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation): Not regulated as a dangerous good

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards : Serious eye damage or eye irritation



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SARA 302	: This material does not contain any components with a section 302 EHS TPQ.
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.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

-	-	
	7732-18-5	Water
	68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.
	Not Assigned	Proprietary component of NOVO MAC 10X FF
	68439-46-3	Alcohols, C9-11, ethoxylated

 California Prop 65
 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

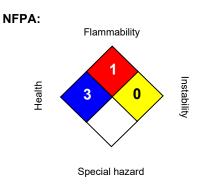
TSCA	: On TSCA Inventory
DSL	: not determined
AICS	: not determined
NZIoC	: not determined
ENCS	: not determined
KECI	: not determined
PICCS	: not determined
IECSC	: not determined



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SECTION16. OTHER INFORMATION



HMIS III:



0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 =Extreme, * = Chronic

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Material number: 16211377,

Key or legend to abbreviations and acronyms used in the safety data sheet				
ACGIH	American Conference of Govern- ment Industrial Hygienists	LD50	Lethal Dose 50%	
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level	
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency	
NDSL	Canada, Non-Domestic Substanc- es List	NIOSH	National Institute for Occupational Safety & Health	
CNS	Central Nervous System	NTP	National Toxicology Program	
CAS	Chemical Abstract Service	NZloC	New Zealand Inventory of Chemi- cals	
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level	
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration	
EGEST	EOSCA Generic Exposure Scenar- io Tool	OSHA	Occupational Safety & Health Administration	
EOSCA	European Oilfield Specialty Chem- icals Association	PEL	Permissible Exposure Limit	
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commer- cial Chemical Substances	
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic	
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act	
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit	
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.	



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IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composi- tion, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		