



Safety Data Sheet

Formula No: 2933
Revision Date: 18 AUG 2023
Superseded Date: 24 OCT 2017

Mirachem Floor Cleaner

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

Product name: Mirachem Floor Cleaner
Identified uses: Concentrated industrial floor cleaner for use at 1-7%.
Use restrictions: Use only for the purposes indicated on the label.

Company: Mirachem, LLC
P.O. Box 14059
Phoenix, Arizona 85063-4059
USA

Email address: SDS@mirachem.com
Customer service: USA (English) Telephone: 1 (800) 847-3527

Emergency phone number(s): USA (English, Business Hours) Telephone: 1 (800) 847-3527
Chemtrec (US, 24 hours) Telephone: 1 (800) 424-9300

2. HAZARD(S) IDENTIFICATION

GHS Classification

SKIN CORROSION / IRRITATION
EYE IRRITATION

Category 3
Category 2A

GHS Label Elements

Pictogram



Signal word
Hazard statements

Warning
Causes mild skin irritation (H316)
Causes serious eye irritation (H320)

Precautionary Statements

Prevention: Wash hands thoroughly after handling (P264).
Wear eye protection (P280).

Response: IF ON SKIN: If skin irritation occurs; get medical advice (P332+P313)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
If eye irritation persists: Get medical advice/attention. (P337+P313)

Storage: None required.

Disposal: Dispose of contents / container in accordance with local, state and federal regulations (P501). See SECTION 13 – DISPOSAL CONSIDERATIONS, for additional waste disposal information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

Mixture (water based)

Ingredients:

	<u>CAS Number</u>	<u>Percent</u>
Water	7732-18-5	> 85
Components contributing to classification	Trade Secret*	< 8
Non-contributing components	Trade Secret*	< 7

* Composition of these ingredients & their concentration is a trade secret in accordance with 29 CFR paragraph (i) §1910.1200.

4. FIRST AID MEASURES

Protection of First-Aiders:	First aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION, for specific personal protective equipment.
Inhalation:	No adverse effects are anticipated. Remove to fresh air. If breathing is difficult, get medical assistance.
Eye contact:	May cause serious eye irritation. Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Ingestion:	No adverse health effects are anticipated. If swallowed, treat symptomatically and supportively. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If adverse health effects develop, persist or are severe, seek medical attention if you feel unwell. Never give anything by mouth to an unconscious person.
Skin contact:	Prolonged or repeated exposure may cause mild irritation or drying of skin. If on skin, wash with plenty of water. If you feel unwell or irritation develops or persists, get medical attention.
Symptoms and effects, both acute and delayed:	Aside from the information provided above and below, no additional symptoms and effects are anticipated.
Notes to physician:	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Skin contact may aggravate pre-existing dermatitis.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Do not use direct water stream. May spread fire.
Unusual fire and explosion hazards:	In a fire or if heated, a pressure increase will occur, and the container may burst.
Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides.
Special precautions for fire fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving personal risk or without suitable training.
Special protective equipment for fire fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Use appropriate safety equipment. For additional information, refer to SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION. Refer to SECTION 7 – HANDLING AND STORAGE, for additional precautionary measures.
Environmental precautions:	Prevent concentrated product entry into storm sewers and waterways. See SECTION 12 – ECOLOGICAL INFORMATION for additional information
Methods for cleaning up:	<i>Small Spills:</i> Clean up with absorbent and collect absorbent for disposal in accordance with Federal, State or local disposal requirements. <i>Large Spills:</i> Dike or otherwise contain spilled material. Collect and drum off material for disposal in accordance with Federal, State or local disposal requirements. Rinse with water. See SECTION 13 – DISPOSAL CONSIDERATIONS and SECTION 15 – REGULATORY REQUIREMENTS for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with eyes. Wash hands thoroughly after handling. Keep container closed. Promptly clean up spills. See SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION for additional information.
Conditions for safe storage, including incompatibilities:	Keep containers tightly closed. Protect from freezing; may rupture or degrade product. Store between 40°F (4°C) and 110°F (43°C). Keep out of reach of children. The shelf life for unopened containers stored under the above conditions is 24 months from the date on the package.
Recommended packaging materials:	Use original container or clean plastic (polyethylene) containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	None established (under ACGIH or OSHA)
Engineering controls:	Good ventilation should be sufficient to control worker exposure to airborne contaminants. Provide eye wash station within close proximity to product usage.
Eye/Face protection:	Safety glasses with side shields (or chemical goggles) and face shield (if splashing is likely) to prevent eye and face exposure.
Skin protection:	Wear protective gloves/protective clothing as needed to prevent excessive skin contact.
Hand protection:	Under intended handling conditions, no protective gloves are required. Use protective gloves as required for the situation. Nitrile, vinyl or latex gloves of 4 mil thickness or greater are recommended.
Respiratory protection:	Under intended handling conditions, no respiratory protection should be needed. Do not breathe dusts or mists. Use NIOSH or MSHA approved respirator where conditions may cause exposure limits to be exceeded.
Personal hygiene:	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Yellow Liquid	Vapor pressure @ 20°C @ 37°C	0.0020 mm Hg* 0.0020 mm Hg*
Odor:	Light detergent	Vapor density (air = 1)	> 1
Odor threshold:	Not established	Relative density:	Not established
pH:	10.5 – 11.4	Solubility in water:	Complete
pH at use dilution (5%):	10.0 – 10.9	Partition coefficient:	Not established
Melting point:	Not applicable to liquids	Auto-ignition temperature:	Not established
Freezing point:	32°F (0 °C)	Decomposition temperature:	Not established
Initial boiling point:	Not established	Viscosity @ 20°C:	< 100 cSt
Evaporation rate:	> 1 (Butyl Acetate = 1)	Liquid density @ 20°C:	1.0518 g/cm ³
Flash point:	Not established	VOC**, undiluted	0 g/l (0.00 lb./gal)
Flammability:	Not classified	Use dilution (5%)	0 g/l (0.00 lb./gal)
Flammable limits in air:	Not established		

* Absolute (calculated)

** The VOC in this product has a vapor pressure of less than 0.1 mm Hg. Under many jurisdictions, this is classified as a low vapor pressure VOC. This material is not listed as a "Hazardous Air Pollutant (HAP)" under the Clean Air Act (CAA) list of volatile or organic hazardous air pollutants.

10. STABILITY AND REACTIVITY

Chemical stability & reactivity:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	Avoid contact with strong acids, strong bases, or strong oxidizers.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce CO ₂

11. TOXICOLOGICAL INFORMATION

The GHS health hazard classifications have been calculated adhering to GHS guidelines for mixtures. The Acute Toxicity Estimates for this mixture (ATE_{mix}) are representative of these calculations.

Likely routes of exposure: Inhalation _____ Skin contact X Eye contact X Ingestion _____

Acute Toxicity:

Oral:	Not classified
Dermal:	Not classified
Inhalation:	Not classified
Other routes:	Not applicable
Skin corrosion/irritation:	May be mildly irritating to skin
Serious eye damage/irritation:	May cause serious eye irritation
Skin sensitization:	No relevant data available
Respiratory sensitizer:	No relevant data available

Chronic Toxicity:

Mutagenicity:	No relevant data available
Carcinogenicity:	No relevant data available
Teratogenicity:	No relevant data available
Developmental / fertility effects:	No known significant effects or critical hazards

Specific Target Organ Toxicity (STOT)	Single dose:	No relevant data available
	Repeat exposure:	No relevant data available
Aspiration hazard:		No relevant data available

12. ECOLOGICAL INFORMATION

The GHS environmental hazard classifications have been calculated adhering to GHS guidelines for mixtures. The Acute Toxicity Estimates for this mixture (ATE_{mix}) are representative of these calculations.

Aquatic Toxicity:

Acute Aquatic Toxicity	Fish	Insufficient Data
	Crustacea	Insufficient Data
	Algae	Insufficient Data
Chronic Aquatic Toxicity	No relevant data available	
Persistence and degradability:	No relevant data available	
Bioaccumulative potential:	No relevant data available	
Mobility in soil:	No relevant data available	

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. Rinse container before disposal. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff with soil and waterways.

RCRA Classification: Unused disposed material is **not** a RCRA Hazardous Waste.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, State and local waste disposal requirements may be more restrictive or otherwise different from Federal laws and regulations.

14. TRANSPORT INFORMATION

UN Number:	N/A	Transportation Hazard Class:	N/A
UN Proper Shipping Name:	N/A	UN Packing Group:	None
ADR (EU Carriage):	Not regulated	RID (Rail)	Not regulated
AND/ADNR (Inland water):	Not regulated	ICAO/IATA (Air)	Not regulated
IMO/IMDG (Marine):	Not regulated		
DOT Shipping Name:	Non-regulated	DOT Hazard Classification:	N/A
HS Tariff Classification (Schedule B):	3402.90.5030		
Special Precautions:	No known special precautions		

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

<u>TSCA Inventory:</u>	All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.	
<u>SARA Title III 302/304:</u>	The Superfund Amendments and Reauthorization Act (SARA) Title III requires facilities subject to Subparts 302 & 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No chemical substances are present in this product at reasonably attainable limits.	
<u>SARA Title III 311 & 312:</u>	The Superfund Amendments and Reauthorization Act (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. Chemical substances present in this product can be classified under the following categories:	
	Immediate (acute) Health Hazard	Yes
	Delayed (chronic) Health Hazard	No
	Fire Hazard	No
	Reactive Hazard	No

SARA Title III 313:

Also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). Section 313 requires certain facilities to complete a report annually for specified toxic chemicals. **No chemical substances are present in this product at or above reporting limits.**

US State Regulations**California****Proposition 65:**

California Safe Drinking
Water and Toxic
Enforcement Act of 1986

This product does not contain materials currently listed by California as chemicals at levels known to cause cancer or known to have reproductive toxicity under Proposition 65.

International Regulatory Information

Notice: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warrantee, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with their Federal, State/Province, and local laws. The following specific information is made for the purpose of complying with numerous specific foreign regulations.

Country Substance (Chemical) Inventories

Canada

DSL

The individual components of this mixture are listed.

United States

TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION**HMIS Rating:**

Health	2
Flammability	0
Physical Hazards	0

Protective Equipment

NFPA Rating:

Health	2
Flammability	0
Reactivity	0

Special

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Mirachem shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current status of scientific and technical knowledge.

Original Preparation Date:

May 1, 2015

Latest Revision Date:

August 18, 2023