Safety Data Sheet

Formula No: 2755
Revision Date: 12-SEP-2025
Superseded Date: 04-NOV-2020

Mirachem M2750 Low Foam, Low Temperature Cleaner / Degreaser

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

Product name:	Mirachem M2750 Low Foam, Low Temperature Cleaner / Degreaser		
Identified uses:	Concentrated industrial cleaner / degreaser		
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 EYE DAMAGE/IRRITATION: Category 2B

GHS Label Elements

Pictogram	None required
Signal word	Warning
Hazard statements	Causes eye irritation (H320)

Precautionary Statements

Prevention:	Wash hands thoroughly after handling. (P264)
Response:	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:	None required.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture (water based)

Ingredient:	CAS Number	Percent
Water	7732-18-5	60% – 80%
Proprietary surfactant blend *	Proprietary	10% - 30%
Non-hazardous ingredients *	Proprietary	10% - 30%

* Composition of these ingredients and their concentration is withheld as a trade secret in accordance with 29 CFR 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 mild temporary irritation. If eye irritation develops, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation persists.
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 and drying of skin. If on skin, wash with plenty of water. If you feel unwell or skin 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:	Not classified as an environmental hazard. See SECTION 12 – ECOLOGICAL INFORMATION for additional information.
Methods for cleaning up:	*Small Spills:* Clean up with absorbent and collect absorbent for disposal in accordance with Federal, State or local disposal requirements. *Large Spills:* 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 36 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:	No special requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Eye/Face protection:	Wear safety glasses with side shields or chemical goggles where conditions may cause eye exposure.
Skin protection:	Under intended handling conditions, no protective clothing should be needed. Use protective clothing as required for the situation. Where diluted product is heated to > 140°F, wear thermal protective gloves.
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. Where diluted product is heated to > 140°F, wear thermal protective gloves.
Respiratory protection:	Under intended handling conditions, no respiratory protection should be needed.
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:	Clear pourable liquid, water-white to light yellow	**Vapor pressure @ 20°C**	0.0006 mm Hg*
		@ 37°C	0.0009 mm Hg*
Odor:	Mild detergent	**Vapor density (air = 1)**	> 1
Odor threshold:	Not available	**Relative density:**	Not established
pH:	11.0	**Solubility in water:**	Complete
pH at use dilution (10%):	10.5	**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:	212°F (100°C)	**Viscosity @ 20°C:**	< 100 cSt
Flash point:	Not established	**Liquid density @ 20°C:**	0.997 g/cm^3
Evaporation rate:	> 1 (Butyl Acetate =1)	**VOC**, undiluted**	100 g/l (0.83 lb./gal)
Flammability:	Not classified	**use dilution (10%)**	10 g/l (0.08 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	LD_{50} ATE_{mix}	> 2,500 mg/kg
Dermal:	Not classified	LD_{50} ATE_{mix}	> 2,500 mg/kg
Inhalation:	No relevant data available.		
Other routes:	Not applicable.		

Skin corrosion/irritation:	May be mildly irritating to skin.
Serious eye damage/irritation:	May cause eye irritation.
Skin sensitization:	No component of this mixture is known to be a skin sensitizer.
Respiratory sensitizer:	No relevant data available.

Chronic Toxicity:

Mutagenicity:	No component in this mixture is known to be a mutagen or genotoxin.
Carcinogenicity:	No component of this mixture is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.
Teratogenicity:	No component in this mixture is known to be a teratogen.
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 Aquatic Toxicity Estimates for this mixture (ATE_{mix}) are representative of these calculations.

Toxicity:

Acute Aquatic Toxicity	Fish	Not classified	LC_{50} ATE_{mix}	> 100 mg/l
	Crustacea	Not classified	EC_{50} ATE_{mix}	> 100 mg/l
	Algae	No relevant data available.		
Chronic Aquatic Toxicity	No relevant data available.			

Persistence and degradability: The individual components of this mixture are readily biodegradable.
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
NMFC Freight Class:	Compound, Cleaning Fluid, NOI 48580 Sub 3, Class 55		
HS Tariff Classification: (Schedule B)	3402.90.5030		
Special Precautions:	No known special precautions.		

15. REGULATORY INFORMATION

US Federal Regulations

SARA Title III

Section 302 – Extremely Hazardous Substance	This product does not contain chemicals at levels which require reporting under this statue.	
Section 302.4 & 304: CERCLA: Hazardous Substances	Releases of this product to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.	
Sections 311 & 312	Immediate (acute) Health Hazard	Yes
	Delayed (chronic) Health Hazard	No
	Fire Hazard	No
	Reactive Hazard	No
	Sudden Release of Pressure	No
Section 313	This product does not contain chemicals at levels which require reporting under this statue.	
TSCA	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.	

US State Regulations

Arizona	Maricopa County Rule 331	This product is considered a Low-VOC cleaner.
California	California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)	This product does not contain chemicals at levels which require reporting under this statue.
	BAAQMD	This product meets the requirements of the Bay Area Air Quality Management District Regulation 8, Rule 16 when used at a 10% dilution with water. The VOC content at this dilution is 10 grams/liter (0.08 pounds/gallon) with a composite partial pressure at 20°C of less than 1mm Hg.
	SCAQMD	This product meets the requirements of South Coast Air Quality Management District (SCAQMD) Rule 1171 for Solvent Cleaning. When used at the recommended use dilution of 10% or greater the VOC content is 10 grams/Liter (0.08 pounds/gallon) with a composite partial pressure at 20°C of less than 1 mm Hg.
Georgia	Rule 391-3-02	At use dilution, this product is greater than 80% water which qualifies this as an “Aqueous Cleaning Solvent”. As an “Aqueous Cleaning Solvent” this product is exempt from Rule 391-3-02.
Michigan	Rule R 336.1281 & R 336.1212	The absolute (composite) vapor pressure of this product in either concentrated or diluted form is less than 0.1 mm Hg under standard conditions. Part (e) under R 336.1281 exempts this product from the requirement for a “Permit to Install”. The vapor pressure for this product exempts it from the recordkeeping requirements of R 366.1212 as indicated in Part (3)(b) and clarified by MDEQ interoffice communication of July 5, 2011.
Pennsylvania	Hazardous Substances List	This product does not contain chemicals at levels which require reporting under this statue.
Texas	Texas Rule 106.454 – Degreasing Units	Under this rule, this product is classified as a zero VOC product. The true vapor pressure is calculated to be < 0.6 pounds per square inch, absolute (psia) at an operating temperature of 100ºF. This product meets the requirements of section (2)(C) for a remote reservoir cleaner and as such Section (1)(A) (i) and (ii) do not apply. Completion of Form PI-7 and monthly record keeping is not required.

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	1
Flammability	0
Physical Hazards	0

Protective Equipment

NFPA Rating:

Health	1
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: 01-MAY-2015