



SAFETY DATA SHEET

BENZ CLEAN MM

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200 and WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR).

Section 1 - Product and Company Identification

Product identifier

Product name BENZ CLEAN MM

Recommended use of the chemical and restrictions on use

Application Industrial Cleaner

Use advised against Applications other than those intended. For application information see product Technical Data Sheet or consult with a company representative.

Details of the supplier of the safety data sheet

Supplier AMSOIL INC.
2724 W. Hampton Ave.
Milwaukee, WI 53209

Telephone Numbers

During normal business hours call (414)442-2900
Available 24 hours call CHEMTREC (800)424-9300

Email Address

compliance@amsoil.com

Section 2 - Hazards Identification

Emergency Overview: In accordance with good industrial hygiene and industrial practices. Airborne exposures should be controlled to the lowest extent possible. Do not ingest. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed.

GHS Ratings:

Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Serious eye damage/eye irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H315	Causes skin irritation
H319	Causes serious eye irritation

GHS Precautions

P264	Wash thoroughly after handling
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P280	Wear protective gloves/protective clothing/eye protection/face protection
P321	Specific treatment (see the first aid section of the SDS)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists, get medical advice/attention

Signal Word: Warning**Section 3 - Composition**

Proprietary additive(s) listed only if considered hazardous per OSHA regulations, at a 1% or greater concentration (0.1% for carcinogens)

Chemical Name	CAS number	Weight Concentration %
Diethyleneglycol Monobutyl Ether	112-34-5	1.00% - 5.00%
2-(2-Aminoethoxy) ethanol	929-06-6	1.00% - 5.00%

Section 4 - First Aid Measures

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact: Flush eyes with water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Prolonged or repeated contact may cause irritation. Good hygienic practices should be observed at all times. Wash exposed skin with soap and warm water.

Ingestion: Do not induce vomiting. Seek medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N/A

Extinguishing Media: Carbon Dioxide (CO₂), dry chemical or foam. Water can be used to cool and protect exposed material.

Unusual Fire Hazards: Flashpoint is not determined due to the water content of this product. Extreme exposure conditions may render this product combustible.

Products of Combustion: Fumes, smoke, CO_x, SO_x, NO_x, when combusted.

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus. Use water supply to cool fire exposed surfaces and to protect personnel.

Section 6 - Accidental Release Measures

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceeds the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry

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creeks. The National Response Center can be reached at 1-800-424-8802.

Spill Management: Shut off source of leak if it is safe to do so. Dike and contain spill.

Small Spills: While wearing suitable personal protective equipment (PPE), absorb spill with suitable material. Place in a non-leaking container and seal tightly for proper disposal.

Large Spills: Ventilate the contaminated area. Wearing suitable PPE, pump into salvage vessels. Dispose of collected material according to regulations.

Section 7 - Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Do not take internally. For industrial use only. Use this product with adequate ventilation. Launder work clothes frequently. Always use good personal hygiene practices. Bring product to room temperature before use.

Storage: Keep properly labeled container tightly closed, and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks and other ignition sources. Containers, even those have been emptied, can contain explosive vapors. Do not pressurize, cut, weld, drill or grind on or near containers. Do not reuse empty containers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethyleneglycol Monobutyl Ether 112-34-5	Not Determined	TVL-TWA - 10 ppm	Not Determined
2-(2-Aminoethoxy) ethanol 929-06-6	Not Determined	Not Determined	Not Determined

Ventilation Control: Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection: Normal industrial eye protection practices should be employed.

Skin Protection: In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory: If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Gear: Soiled work clothing should be laundered or dry-cleaned.

Section 9 - Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the manufacturer in Section 1 for additional data.

Odor threshold: No Data Available Specific Gravity@60F: 1.0056 Freezing point: No Data Available Evaporation rate: No Data Available Explosive Limits: No Data Available Autoignition temperature: No Data Available Grams VOC less water: No Data Available	Vapor Density: No Data Available Melting point: No Data Available Flash point: N/A Flammability: No Data Available Partition coefficient: No Data Available Decomposition temperature: No Data Available Vapor Pressure: No Data Available
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Section 10 - Stability and Reactivity

Stability: Material is stable under normal conditions.

Conditions to Avoid: Excessive heat. High energy sources of ignition.

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Material to Avoid: Strong oxidizers. Because this product may contain alkanolamines, do not add nitrites.

Hazardous Decomposition Products: This material does not decompose at ambient temperatures.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information**Mixture Toxicity****Component Toxicity**

112-34-5	Diethyleneglycol Monobutyl Ether Dermal LD50: 2,764 mg/kg (Rabbit)
929-06-6	2-(2-Aminoethoxy) ethanol Oral LD50: 2,560 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit)

If applicable, the ingredient(s) listed above are considered hazardous per OSHA 1910.1200. Included are the corresponding LD50 ratings, if available. Hazardous ingredients are required to be listed if they are used in the final product at a 1% (0.1% for carcinogens) or greater concentration.

Routes of Entry: Eye contact. Dermal contact. Inhalation. Ingestion.

Target Organs: None known

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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Section 12 - Ecological Information

Ecotoxicity: No data available for this product.

Component Ecotoxicity**Section 13 - Disposal Considerations**

Disposal Instructions: Refer to the latest US EPA, state and local regulations regarding proper disposal.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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Section 15 - Regulatory Information

Prepared according to US OSHA 29CFR 1910.1200 regulations.

Additional regulatory listings, where applicable.

California Prop 65: The following chemicals are known to the State of California to cause cancer, birth defects, or other reproductive harm.

1,4 Dioxane

The following chemicals are listed under **SARA 313**:

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112-34-5 Diethyleneglycol Monobutyl Ether

SARA 311/312 Hazardous Chemicals: See Section 2 of SDS for Hazard Identification.

TS-108 Proprietary additive

112-34-5 Diethyleneglycol Monobutyl Ether

929-06-6 2-(2-Aminoethoxy) ethanol

Country

Regulation

All Components Listed

Section 16 - Other Information

AMSOIL has taken all reasonable steps to insure this data sheet and the information contained in it is accurate as of the date issued. No warranty is made as to the accuracy or completeness of the information in this data sheet. The information stated on this SDS applies only to the intended applications. Do not use this product for any application other than the intended application. Employers are responsible for communicating any hazards and precautions described in this sheet.

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