



SAFETY DATA SHEET

Product: MARC GLISTEN DUST MOP CONDITIONER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 36 GLISTEN DUST MOP CONDITIONER

SDS DATE: 12/10/12

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 Columbus, NE 68602-0927

PHONE: 402-564-7104 FAX: 402-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Restores floor sheen, keeps floors clean & bright, restores sheen.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: DANGER: Contains petroleum distillates.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: CAUTION: Harmful or Fatal if swallowed. Can enter lungs and cause damage.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Distillates, petroleum, hydrotreated middle	64742-46-7	

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists.

SKIN: If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Clean or discard contaminated leather goods. If material is injected under the skin, seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING unless directed to by a physician. Do not give anything to drink unless directed to by a physician. Never give anything by mouth to a person who is not fully conscious. If significant amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.

INHALATION: Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move person to fresh air.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: **SKIN:** In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal. **INGESTION:** If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.



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SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical, foam, carbon dioxide or water fog. Water or foam may cause frothing. Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material can burn but will not readily ignite. This material will release vapors when heated above the flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur and/or nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this MSDS.

EMERGENCY PROCEDURES: Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping Hazard: do not walk through spilled material. Stop leak if you can do so without risk. For small spills: absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. For large spills: Contain to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

PROTECTIVE EQUIPMENT: Use personal protective devices as stated in Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as emergency procedures. Consult with local and state agencies for disposal.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Keep containers closed and do not handle or store near heat, sparks, or any other potential ignition sources. Avoid contact with oxidizing agents. Never siphon by mouth. Avoid contact with eyes, skin, and clothing. Avoid contamination and extreme temperatures. Empty containers may contain product residues that can ignite with explosive force. Drain and purge equipment, as necessary, to remove material residues. Follow proper entry procedures, including compliance with 29 CFR 1910.146 prior to entering confined spaces such as tanks or pits. Use appropriate respiratory protection when concentrations exceed any established occupational exposure level (See Section 8). Promptly remove contaminated clothing. Wash exposed skin thoroughly with soap and water after handling. Do not pressurize, cut weld, braze solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources. Protect containers against physical damage. Consult recycling or disposing of empty containers and/or waste residues of this product.

OTHER PRECAUTIONS: **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

STORAGE: Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area. Store only in approved containers. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Storage area must meet OSHA requirements and applicable fire codes. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Distillates, petroleum, hydrotreated middle	64742-46-7	

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.

MECHANICAL: N/A

OTHER: Normal room ventilation.

VENTILATION : Use with adequate ventilation. Local Exhaust.

RESPIRATORY PROTECTION: The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

EYE PROTECTION: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear goggles if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125°F (51°C). Have suitable eye wash water available.

SKIN PROTECTION/PROTECTIVE GLOVES: None required for incidental contact. Use gloves constructed of chemical resistant materials such as heavy nitrile rubber if frequent or prolonged contact is expected. Use heat-protective gloves when handling product at elevated temperatures. .

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use clean protective clothing if splashing or spraying conditions are present. Protective clothing may include long-sleeve outer garment, apron, or lab coat. If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower. Launder contaminated clothing before reuse or discard. Wear heat protective boots and protective clothing when handling material at elevated temperatures.

WORK HYGIENIC PRACTICES: Use good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners. Since specific exposure standards/control limits have not been established for this product, the "Oil Mist, Mineral" exposure limits shown below are suggested as minimum control guidelines.

OCCUPATIONAL EXPOSURE GUIDELINES:

Substance	Applicable Workplace Exposure Levels
Oil Mist, Mineral	ACGIH TLV (United States).
	TWA: 5mg/m ³ 8 hours(s).
	STEL: 10 mg/m ³ 15 minutes(s).
	OSHA PEL (United States).
	TWA: 5mg/m ³ 8 hour(s).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	Low viscosity liquid.
PHYSICAL STATE/COLOR:	Liquid, Blue.
ODOR:	Cherry odor.
pH:	N/A
SOLUBILITY IN WATER:	Negligible solubility in cold water.
SPECIFIC GRAVITY:	0.83 (Water =1)
MELTING/FREEZING POINT:	Not available.
BOILING POINT:	256°C to 295°C (492°F to 563°F)



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FLASH POINT/METHOD USED: Closed cup: 129°C (264°F). (Pensky-Martens.)
Open cup: 135°C (275°F) (Cleveland.)

EVAPORATION RATE: 1 (water = 1)

FLAMMABILITY LIMITS: N/A

VAPOR PRESSURE (mmHg): <0.1 kPa (<1 mm Hg) (at 20°C)

VAPOR DENSITY (AIR = 1): N/A

**PARTITION COEFFICIENT,
n-OCTANOL/WATER:** N/A

AUTO-IGNITION TEMPERATURE: N/A

DECOMPOSITION TEMPERATURE: N/A

VISCOSITY: 4 (cSt @ 40°C)

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None

STABILITY: Stable

CONDITIONS TO AVOID: Keep away from heat, flame and other potential ignition sources. Keep away from strong oxidizing conditions and agents.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Strong additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this MSDS.

HAZARDOUS POLYMERIZATION: Not expected to occur.

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.

SKIN: This material can cause mild skin irritation from prolonged or repeated skin contact. Injection under the skin can cause inflammation and swelling. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention.

INGESTION: May cause mild irritation to the digestive tract or cause a laxative effect. Because of the low viscosity of this material, this material can enter the lungs directly by aspiration (e.g., during swallowing or vomiting.) If aspirated into the lungs, this material can cause severe lung damage or death.

INHALATION: At elevated temperatures or in enclosed spaces, product mist or vapors may irritate the mucous membranes of the nose, the throat, bronchi, and lungs.

ACUTE HEALTH HAZARDS: Symptoms of Systemic Overexposure: Headache, nausea, vomiting, drowsiness, unconsciousness.

CHRONIC HEALTH HAZARDS: May possibly result in damage to the liver, kidneys, lungs and red blood cells.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Disorders of the following organs or organ systems that may be aggravated by significant exposure to this material or its components include: Skin.

Target Organs: May cause damage to the following organs: kidneys, liver, upper respiratory tract, skin.

CARCINOGENICITY: This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.

TOXICITY TO ANIMALS: Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life.



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SECTION 12: ECOLOGICAL INFORMATION

TOXICITY DATA: Distillates, petroleum, hydrotreated middle
ORAL (LD50): Acute: >5000 mg/kg [Rat].
DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Middle distillates similar to the product represented by this MSDS have been associated with liver and kidney damage in subchronic (90-day) inhalation studies of male rats. In addition, certain middle distillates similar to this material have been associated with liver damage in mice. The relevance of these findings to human health is unclear.

This material has not been determined to be carcinogenic by IARC, NTP or OSHA.

ECOTOXICITY: Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

ENVIRONMENTAL FATE: Biodegradability: Inherently biodegradable in aerobic conditions.
Partition Coefficient (log Kow): >4 (based on similar materials)

Photodegradation: Based on similar materials, this product will have little or no tendency to partition to air. Hydrocarbons from this product which do partition to air are expected to rapidly photodegrade.

Distribution: Principally to soil and sediment. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

DEGRADABILITY: Not Available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Conditions of use may cause this material to become a "hazardous waste" as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues. Empty drums and pails retain residue. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose this product's empty container to heat, flame, or other ignition sources. DO NOT attempt to clean it. Empty drums and pails should be drained completely, properly bunged or sealed, and promptly sent to a reconditioner.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZE(S): Pails, Gallons
PROPER SHIPPING NAME: Not regulated. (CLEANING COMPOUND)
HAZARD CLASS: Not regulated.
ID NUMBER: N/A
PACKING GROUP: Not applicable.
LABEL STATEMENT: None



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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Applicable

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Applicable

311/312 HAZARD CATEGORIES: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR Part 370.2. This material would be classified under the following hazard categories: No SARA 311/312 hazard categories identified.

313 REPORTABLE INGREDIENTS: This product contains the following components in concentrations above *de minimis* levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: No components were identified.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 1
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 12/10/12

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.