



# SAFETY DATA SHEET

Product: MARC 144 CITRUS GLOSS BOSS

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 144 CITRUS GLOSS BOSS**

SDS DATE: 11/10/2023

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: marc1@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Surface duster and polish.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Aerosol Category 1; Liquefied Gas; Eye Irritant: Category 2b; Aspiration Hazard: Category 1; Skin Sensitization: Category 1. **SIGNAL WORD AND HAZARD STATEMENTS-- DANGER:** Extremely flammable aerosol. Contains gas under pressure; May explode if heated. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: N/A. **PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse. If swallowed: Immediately call a poison center or a doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state and federal regulations.



## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>CAS NO.</u>	<u>%</u>
White Mineral Oil	8042-47-5	10 - 20
n-Butane	106-97-8	5 - 10
Propane	74-98-6	1 - 5
d-Limonene	5989-27-5	1 - 5

(Exact percentages of composition have been withheld as a trade secret.)

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. **INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists. Never give anything by mouth to an unconscious person. **INHALATION:** Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists. **SKIN:** Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops. Wash contaminated clothing before reuse. **ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. May cause an allergic skin reaction. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. **CHRONIC HEALTH HAZARDS:** May cause skin sensitization. **NOTE TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water spray or fog. **UNSUITABLE EXTINGUISHING MEDIA:** N/A. **SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self-Contained Breathing Apparatus with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 122°F (50°C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. **HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and unidentified organic compounds may be formed during combustion.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment. **SPILL:** Eliminate all sources of ignition. Prevent spill from entering sewers, storm drains and natural waterways. Absorb with noncombustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material. **WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection. **RCRA STATUS:** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Do not use or store near heat, open flames or other sources of ignition. Do not inhale mist or vapor. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Store in a cool, dry area. Protect from sunlight. Store in a well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Do not use or store with strong oxidizers. Wash hands thoroughly after handling. **OTHER PRECAUTIONS:** Keep out of the reach of children. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not taste or swallow. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health. **INCOMPATIBILITY:** Strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
d-Limonene	N/E	N/E
White Mineral Oil	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Propane/n-Butane	1000 ppm	1000 ppm

**ENGINEERING CONTROLS / VENTILATION:** General ventilation adequate. **RESPIRATORY PROTECTION:** Not required during normal use. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed. **PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles and chemical resistant gloves. **ADDITIONAL MEASURES:** Avoid contact with skin, eyes or clothing. Contaminated work clothing must not be allowed out of the workplace. Wash hands thoroughly after handling. No smoking or open flames.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White foam  
**ODOR:** Citrus.  
**ODOR THRESHOLD:** N/D  
**MELTING/FREEZING POINT:** N/D  
**INITIAL BOILING POINT/RANGE:** N/D  
**FLASH POINT/METHOD USED:** N/D  
**EVAPORATION RATE:** N/D  
**FLAMMABILITY:** Extremely flammable aerosol  
**VAPOR PRESSURE (mmHg):** N/D  
**VAPOR DENSITY (AIR = 1):** N/D  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.95-1.00 @77°F  
**AUTO-IGNITION TEMPERATURE:** N/D  
**pH:** 10-11  
**SOLIDS (%):** N/D  
**SOLUBILITY IN WATER:** Moderate  
**PARTITION COEFFICIENT:** N/D  
**VOLATILE ORGANIC CMPDS (VOC):** 12.2%  
**DIELECTRIC STRENGTH (Volts):** N/A  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** None known. **CHEMICAL STABILITY:** Stable. **POSSIBLE HAZARDOUS REACTIONS:** None known. **CONDITIONS TO AVOID:** Temperatures greater than 122°F (50°C) and sources of ignition. Avoid incompatible materials. **INCOMPATIBLE MATERIALS:** Strong oxidizing agents. **HAZARDOUS DECOMPOSITION PRODUCTS:** None known.



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## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** White mineral oil (8042-47-5): LD50 (Oral, Rat) > 5000 mg/kg; LD50 (Dermal) > 2000 mg/kg; LC50 (Inhalation Dust/Mist, Rat, 4h) > 5 g/L. n-Butane (106-97-8): LC50 (Inhalation, Rat, 4h) 30957 mg/m<sup>3</sup>. Propane (74-98-6): LC50 (Inhalation, Rat, 4h) 658 mg/L. d-Limonene (5989-27-5): LD50 (Oral, Rat) 4400 mg/kg; LD50 (Mouse) 5600 mg/kg; LD50 (Dermal, Rabbit) 5000 mg/kg.  
**ROUTES OF ENTRY:** Eyes, Inhalation, Skin. **EYES:** May cause burning, irritation, redness, tearing. **INGESTION:** Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting. **INHALATION:** May cause respiratory tract irritation. **SKIN:** May cause irritation, localized defatting, dermatitis with prolonged or repeated contact. May cause an allergic skin reaction. **MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over-exposure. **ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. May cause an allergic skin reaction. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. **CHRONIC HEALTH HAZARDS:** May cause skin sensitization. **CARCINOGENICITY--** OSHA: No. ACGIH: No. NTP: No. IARC: No. OTHER: N/A.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** Avoid release to the environment. White mineral oil (8042-47-5): LC50 (Oncorhynchus mykiss, 96h) 5000 mg/L; EC50 Daphnia magna, 48h) 1000 mg/L. d-Limonene (5989-27-5): EC50 (Pimephales promelas, 96h) 688 µg/L; EC50 (Daphnia magna, 48h) 421 µg/L.  
**PERSISTENCE AND DEGRADABILITY:** This product is biodegradable. **BIOACCUMULATIVE POTENTIAL:** Components in this mixture can bioaccumulate in aquatic organisms. **MOBILITY IN SOIL:** This product is mobile in soil. **OTHER ADVERSE EFFECTS:** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection. **RCRA STATUS:** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 14: TRANSPORT INFORMATION

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

<b>CONTAINER SIZE(S):</b>	Aerosol Can
<b>PROPER SHIPPING NAME:</b>	CLEANING COMPOUND.
<b>HAZARD CLASS:</b>	N/A
<b>ID NUMBER:</b>	None
<b>PACKING GROUP:</b>	None
<b>LABEL STATEMENT:</b>	LTD QTY

## SECTION 15: REGULATORY INFORMATION

**TSCA STATUS:** All chemicals are listed or exempt. **CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None. **SARA 311/312 HAZARD CATEGORIES:** Flammable (gases, aerosols, liquids, solids). Respiratory or skin sensitization. Aspiration hazard. **SARA 313 REPORTABLE INGREDIENTS:** This product 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 WATER ACT:** None. **STATE REGULATIONS-- California Proposition 65:** This product does not contain chemicals regulated by California Proposition 65. **INTERNATIONAL REGULATIONS:** Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

## SECTION 16: OTHER INFORMATION

**HMIS/NFPA Ratings:** Health = 2; Flammability = 3; Reactivity = 0; Other = None; Protection = None.

**N/A** = Not Applicable, **N/D** = Not Determined, **N/E** = Not Established.

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty expressed or implied regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty expressed or inferred regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.