



SAFETY DATA SHEET

Product: MARC 118 CITRUS WIPE
Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 118 CITRUS WIPE

SDS DATE: 06/09/15

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927
PHONE: 402-564-7104 FAX: 403-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Cleaner and Degreaser.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: May cause irritation. (eyes) (skin)

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING:** Flammable Aerosol. Contains gas under pressure; May explode if heated.



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. Wash hands thoroughly after handling. If in 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 attention.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following percentage of chemicals of unknown toxicity: 0%

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT.</u>
1, 8-p-Menthadiene	5989-27-5	1-5%
Propane/N-Butane	68476-86-8	3-7%

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 attention immediately.

SKIN: Immediately wash skin with soap and water for 15 minutes. Seek medical attention if irritation develops.

INGESTION: Rinse mouth with water. **DO NOT INDUCE VOMITING** unless directed to do so by medical authority. Seek medical attention if irritation persists.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing, qualified personnel should administer artificial respiration. Seek medical attention if irritation persists.

ACUTE HEALTH HAZARDS: None known.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.



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SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: **SPILL:** Clean up using cloth or absorbent material. Dispose of product containing wiping cloth or absorbent paper in suitable manner. Place waste in proper containers for waste disposal.

PROTECTIVE EQUIPMENT: Refer to Section 8 Exposure Controls/Personal Protection.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as Emergency Procedures above.

WASTE DISPOSAL: Dispose in accordance with local, state, and federal laws. Non-hazardous.

RCRA STATUS: Non-hazardous.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container; Do not pierce or burn, even after use.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN! Follow label directions exactly.**

INCOMPATIBILITY: Strong acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1, 8-p-Menthadiene	N/A	N/A
Propane/n-Butane	1000ppm	1000ppm

ENGINEERING CONTROLS/VENTILATION: Mechanical recommended if used in confined spaces.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

EYE PROTECTION: Safety glasses are recommended.

SKIN PROTECTION/PROTECTIVE GLOVES: Chemical resistant gloves are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash hands thoroughly after handling. Handle according to established industrial hygiene and safety practices. Don't eat, drink or smoke in work area. Wash hands before eating, drinking or smoking. Wash clothes after handling.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Foam
COLOR:	White
ODOR:	Citrus-Orange scent.
ODOR THRESHOLD:	N/D
pH:	12.1
FREEZING POINT:	N/D
BOILING POINT:	N/D
FLASH POINT/METHOD USED:	N/D
EVAPORATION RATE:	0.1 Slow
FLAMMABILITY (solid, gas):	Flammable Aerosol
FLAMMABILITY LIMITS:	N/D UPPER: N/D LOWER: N/D
VAPOR PRESSURE (mmHg):	23.8 mmHg @ 77°F (25°C)
VAPOR DENSITY (AIR = 1):	1
SPECIFIC GRAVITY (H ₂ O = 1):	.990 @ 77°F (25°C)
SOLUBILITY IN WATER:	100%
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/D
VOLATILITY INCLUDING WATER (%)I	100%
VOLATILE ORGANIC COMPOUNDS (VOC):	9.8%
AUTO-IGNITION TEMPERATURE:	N/D
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None known.

STABILITY: Stable

CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: None known. CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not established.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Mild if any irritation.

SKIN: May cause irritation, dryness, redness with prolonged or repeated contact.

INGESTION: Not a likely route of exposure under normal product handling conditions.

INHALATION: Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.

ACUTE HEALTH HAZARDS: None known.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation.



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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION : Not established.

BIODEGRADABILITY: This product is biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal laws. Non-Hazardous.

RCRA STATUS: Non-Hazardous.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): AEROSOLS (18 ozs.)
PROPER SHIPPING NAME: CLEANING COMPOUND
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

CLEAN WATER ACT: None.

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.



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SECTION 16: OTHER INFORMATION

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

REVISION DATE: 06/09/15

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

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.