



SAFETY DATA SHEET

Product: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

SDS DATE: 06/07/17

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: Disinfectant.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION:

FLAMMABLE AEROSOLS: Category 2.
GASES UNDER PRESSURE: Liquefied Gas.
EYE IRRITATION: Category 2.



SIGNAL WORD: WARNING

HAZARD STATEMENTS

Keep out of reach of children.
Read label and SDS before use.
Flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION:

Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Do not spray on open flame or other ignition source.
Pressurized container. Do not pierce or burn, even after use.
Wear eye protection..

RESPONSE:

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 advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

IF SWALLOWED: Call a poison center or doctor.

STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in locked up in a well-ventilated place.

DISPOSAL: See SECTION 13 DISPOSAL CONSIDERATIONS.

HAZARD(s) NOT OTHERWISE SPECIFIED: Not applicable.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.



SAFETY DATA SHEET

Product: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

Form R04132

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Ethanol	64-17-5	50% - 60%
Propane	74-98-6	5% - 10%
Isobutane	75-28-5	1% - 5%
Ortho-Phenylphenol	90-43-7	<=0.1%

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EMERGENCY OVERVIEW

- DANGER:** Flammable. Contents under pressure. Keep away from heat and flame. Causes serious eye irritation.
- 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
- SKIN:** Wash off immediately with plenty of soap and water. If skin irritation or rash occurs get medical attention. Take off contaminated clothing and wash it before reuse.
- INGESTION:** May be harmful if swallowed. Seek medical attention immediately. Show this container or label.
- INHALATION:** Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA: Use water spray, fog or foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

SPECIAL FIRE FIGHTING PROCEDURES: 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 any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Put on appropriate personal protective equipment (See Section 8).

ENVIRONMENTAL PRECAUTIONS AND CLEANUP METHODS: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected Personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.



SAFETY DATA SHEET

Product: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

Form R04132

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING AND STORAGE:

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120°F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN! READ LABEL CAREFULLY!

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ethyl Alcohol (CAS 64-17-5)
OSHA PEL 1000 ppm

Propane (74-98-6)
ACGIH TLV 1000 ppm

Isobutane (75-28-5)
ACGIH TLV 1000 ppm

APPROPRIATE ENGINEERING CONTROLS/VENTILATION: Good general ventilation required.

SKIN PROTECTION: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

RESPIRATORY PROTECTION: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

EYE/FACE PROTECTION: Wear safety glasses or goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
APPEARANCE	Clear spray/mist	AUTO IGNITION TEMP	Not Available
BOILING POINT	Not Available	COLOR	Colorless
DECOMPOSITION TEMPERATURE	Not Available	EVAPORATION RATE	Not Available
EXPLOSIVE LIMIT RANGES	Not Available	EXPLOSIVE PROPERTIES	Not Available
FLASH POINT	70 F (liquid portion)	MELTING/FREEZING POINT	Not Available
SCENT	Citrus	ODOR THRESHOLD	Not Available
OTHER INFORMATION	VOC content (wt. %): 59	OXIDIZING PROPERTIES	Not Available
PARTITION COEFF	Not Available	PHYSICAL STATE	Liquid
RELATIVE DENSITY	0.9	SOLUBILITY (WATER)	Complete
VAPOR DENSITY	Not Available	VAPOR PRESSURE	Not Available
VISCOSITY	Not Available	pH	7 - 8

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Under normal conditions of storage and use, hazardous reactions will not occur.

CHEMICAL STABILITY: Stable under normal conditions.

INCOMPATIBLE MATERIALS: Acids, strong oxidizers.

CONDITIONS TO AVOID: High temperatures, open flames, sparks, welding.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CO, CO₂. Vapors may ignite at temperatures exceeding flash point.



SAFETY DATA SHEET

Product: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

Form R04132

SECTION 11: TOXICOLOGICAL INFORMATION

PRIMARY ROUTE OF ENTRY: Skin contact, inhalation.

ACUTE/POTENTIAL HEALTH EFFECTS:

EYES: May cause serious eye irritation. Symptoms include stinging, tearing and redness.

SKIN: May cause skin irritation. Symptoms may include redness and drying of skin.

INHALATION: High vapor/aerosol concentrations are irritating to the eyes and respiratory tract. May cause nose, throat and respiratory tract irritation, coughing and headache.

INGESTION: May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

CHRONIC / LONG TERM EFFECTS: None known.

TARGET ORGAN EFFECTS: None known.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data.

CARCINOGENIC INFORMATION: WARNING: This product contains a chemical known to the state of California to cause cancer.

ACUTE TOXICITY VALUES: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste should be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S):	AEROSOL (17 OZ.)
PROPER SHIPPING NAME:	AEROSOLS, FLAMMABLE
HAZARD CLASS:	N/A
ID NUMBER:	NONE
PACKING GROUP:	NONE
LABEL STATEMENT:	LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act)

Ortho-phenylphenol

Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)

Ortho-phenylphenol



SAFETY DATA SHEET

Product: MARC 115 GERM FREE PLUS SURFACE
DISINFECTANT AND DEODORIZER

Form R04132

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313; this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

TITLE III SECTION 311/312 Hazardous Categories – 40 CFR 370.2:

ACUTE (X) CHRONIC () FIRE (X) PRESSURE (X) REACTIVE () NOT APPLICABLE ()

T. S. C. A. STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA STATUS: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s)

D001

FIFRA INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Important information, including directions for use.

SIGNAL WORD: **CAUTION:** Hazard statement: Causes moderate eye irritation.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 4
Reactivity = 0
Other = B
Protection = -

REVISION DATE: 06/07/2017

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

DISCLAIMER: The Manufacture believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.