



SAFETY DATA SHEET

Product: MARC 37 MARCICIDE II PINE FRAGRANCE DISINFECTANT
Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 37 MARCICIDE II PINE FRAGRANCE DISINFECTANT**

SDS DATE: 05/28/2019

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: Disinfectant, cleaner and deodorizer.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Liquids – Category 3
Skin Irritation – Category 2
Skin Sensitization – Category 1
Eye Irritation – Category 2



SIGNAL WORD AND HAZARD STATEMENTS: **WARNING-** Flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation. May cause allergic skin reaction. Read label and SDS before use. Keep out of reach of children.

PRECAUTIONARY STATEMENTS: Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Wear protective gloves and eye or face protection. Avoid breathing mist or spray. Wash hands thoroughly after handling. Contaminated clothing must not be allowed out of the workplace. **IF ON SKIN (OR HAIR):** Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice. Take off contaminated clothing. **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. Wash hands after handling. Store in a cool, well-ventilated place. Dispose of contents and container in accordance with all local, regional and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT WT.</u>
Isopropanol	67-63-0	1 - 5
Pine Oil	8002-09-3	3 - 5
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	1.5 - 2

Specific percentages may be claimed as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes and under eyelids with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

SKIN (or hair): Wash with plenty of soap and water for 15 minutes. Remove immediately all contaminated clothing and wash before reuse. If irritation occurs, get medical advice.

INGESTION: May be harmful if swallowed. If swallowed contact physician or poison control center immediately. **NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Rinse mouth with water.

INHALATION: If inhaled remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, fog or foam.



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SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH-approved or equivalent to maintain TLV.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may build up pressure and rupture.

HAZARDOUS DECOMPOSITION PRODUCTS: If burned product produces normal combustion products - carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal. Contain spill away from surface water and sewers. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk.

PROTECTIVE EQUIPMENT: Wear protective equipment and provide engineering controls as specified in Section 8.

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

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Keep away from heat/sparks/open flame. No smoking. Wear protective gloves and eye/face protection.

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

STORAGE: Store in cool/well-ventilated place. Keep container tightly closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	OSHA PEL	ACGIH TLV
ISOPROPANOL	400 ppm	400 ppm

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-			
PHYSICAL STATE:	Liquid		
COLOR:	Yellowish-amber		
ODOR:	Pine		
ODOR THRESHOLD:	N/E		
pH:	7-8		
MELTING POINT:	N/E		
BOILING POINT:	N/A		
FLASH POINT/METHOD USED:	120°F	LEL: NE	UEL: NE
EVAPORATION RATE: (Water=1):	>1 (water = 1)		
FLAMMABILITY (solid, gas):	N/E		
UPPER/LOWER FLAMMABILITY LIMITS:	N/E		
VAPOR PRESSURE (mmHg):	17mm(Hg)		
VAPOR DENSITY (AIR = 1):	0.62		
DENSITY:	8.33		
SPECIFIC GRAVITY (H2O = 1):	1.0		
SOLUBILITY IN WATER:	Complete		
PARTITION COEFFICIENT:	N/E		
AUTO IGNITION TEMP:	N/A		
VISCOSITY:	Thin		
DECOMPOSITION TEMP:	N/E		

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None.

STABILITY: Stable. Store in a cool, dry place.



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CONDITIONS TO AVOID: Keep away from heat. **INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: If burned product produces normal combustion products: Carbon Dioxide, Carbon Monoxide.

HAZARDOUS POLYMERIZATION: Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route of Entry: Skin contact

Acute/Potential Health Effects:

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

SKIN: May cause skin irritation. Prolonged or repeated contact may dry the skin and cause sensitization. Symptoms may include redness, burning, drying of skin.

INHALATION: High vapor concentrations (>1000 ppm) may be irritating to respiratory tract.

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: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Isopropanol: Inhalation: > 10,000 mg/l Exposure time: 6 h, Species: rat

Quaternary Ammonium chlorides: Acute oral toxicity: LD50 (rat) 344 mg/kg; Acute dermal toxicity: LD50 (rabbit) 340 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Quaternary Ammonium Chlorides:

96-hour LC50 Fathead Minnow: 0.28 mg/l

48-hour EC50 Daphnia: 0.01 mg/l

72-hour ErC50 Algae: 0.04 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

Waste must 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): BULK, PAILS, GALLONS

PROPER SHIPPING NAME: DEODORANTS OR DISINFECTANTS, N.O.I., LIQUID/DRY.

HAZARD CLASS: NONE

ID NUMBER: NONE

PACKING GROUP: NONE

LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2: ACUTE (X) Chronic () Fire (X) Pressure () 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. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Signal word: DANGER. Hazard statement: Causes severe eye and skin damage. Harmful if swallowed.



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SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 2
Reactivity = 0
Other = -
Protection = B

REVISION DATE: 05/28/2019

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text.