SAFETY DATA SHEET

Product: MARC 31 BUG BLASTER DUAL INSECTICIDE

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 31 BUG BLASTER DUAL INSECTICIDE

SDS DATE: **03/29/16**

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: Insecticide.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May be harmful if swallowed or inhaled.

CLASSIFICATION: Eye irritant.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING**: Causes serious eye irritation. May cause skin irritation. Wash hands thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. Read label and SDS before use.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

HAZARDS NOT OTHERWISE SPECIFIED: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	% BY WEIGHT
Permethrin	52645-53-1	=0.5

*The exact percentage (concentration) of composition has 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, call a poison control center or doctor for treatment advice.

SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical attention.

INGESTION: May be harmful if swallowed. Call poison control center or doctor immediately for treatment advice.

INHALATION: Move person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for further treatment advice, or if you feel unwell.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

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

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

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. 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.

PROTECTIVE EQUIPMENT: Put on appropriate personal protective equipment (see Section 8).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: See ENVIRONMENTAL PRECAUTIONS above.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing.

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

STORAGE: Do not use or store near heat, sparks or open flame. Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS/ VENTILATION: Good general generation required.

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

EYE/FACE PROTECTION: To avoid contact with eyes wear safety glasses or goggles. .

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Always practice good housekeeping and hygienic measures. Do not eat, drink or smoke in work area. Wash hands and exposed skin promptly with soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	
PHYSICAL STATE:	Liquid, Milky emulsion.
COLOR:	White
ODOR:	Insecticidal.
ODOR THRESHOLD:	Not available.
pH:	7-8
MELTING/FREEZING POINT:	Not available.
BOILING POINT:	Not available.
FLASH POINT/METHOD USED:	None
EXPLOSIVE LIMIT RANGES:	Not available
EXPLOSIVE PROPERTIES:	Not available
OTHER INFORMATION:	VOC content (wt. %): <1.0
OXIDIZING PROPERTIES:	Not available
EVAPORATION RATE:	Not available.
FLAMMABILITY (solid, gas):	N/A
FLAMMABILITY LIMITS:	N/A
VAPOR PRESSURE (mmHg):	Not available.
VAPOR DENSITY (AIR = 1):	Not available.
RELATIVE DENSITY:	1.0
SPECIFIC GRAVITY (H2O = 1):	N/A
SOLUBILITY IN WATER:	Complete.
PARTITION COEFFICIENT: n-octanol/water:	Not available.
AUTOIGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
VISCOSITY:	Not available.

SECTION 10: STABILITY AND REACTIVITY

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

CHEMICAL STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID): Acids and strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CO, CO2

HAZARDOUS POLYMERIZATION: N/A **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

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.

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

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

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:

Not available.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

SECTION 12: ECOLOGICAL INFORMATION

This product is toxic to fish and other aquatic invertebrates.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

Not regulated.

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

CONTAINER SIZES(S):	05 PAIL
PROPER SHIPPING NAME:	INSECTICIDE, N.O.I.
HAZARD CLASS:	NONE
ID NUMBER:	NONE
PACKING GROUP:	NONE
LABEL STATEMENT:	NONE

SECTION 15: REGULATORY INFORMATION

SECTION 313 OF TITLE III OF THE SUPREFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 (40 CFR 372.65)

Permethrin

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 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 () 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)

None

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 Work: CAUTION: Precautionary Statements: Harmful if absorbed through skin. Causes moderate eye irritation.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 03/29/16

DISCLAIMER: The Manufacturer 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.