



SAFETY DATA SHEET

Product: MARC 7 B.T.I. BRIQUETS/MOSQUITO DUNKS

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 7 B.T.I. BRIQUETS/MOSQUITO DUNKS

SDS DATE: 10/24/2016

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: Biological Mosquito Control Agent.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Not classified.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: CAUTION: KEEP OUT OF REACH OF CHILDREN!

OTHER HAZARDS: No additional information available.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION
<i>Bacillus thuringiensis subspecies israelensis</i> solids, spores and insecticidal toxins* 7,000 aedes egypti (AA) International Toxic Units (ITU) per mg of primary powder.	None: Microbial active Ingredient.	10.31%	Not classified.

Specific chemical identity and /or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

FIRST AID MEASURES GENERAL: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible),

EYES: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

SKIN: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

INGESTION: Rinse mouth. **DO NOT INDUCE VOMITING!** Obtain emergency medical attention.

INHALATION: Assure fresh air breathing. Allow the victim to rest.

MOST IMPORTANT SYMPTOM AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS/INJURIES: Not expected to present a significant hazard under anticipated conditions of normal use.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: No additional information available.



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SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam. Dry powder. Carbon Dioxide. Water Spray. Sand.

UNSUITABLE EXTINGUISHING MEDIA: Do not use heavy water stream.

SPECIAL FIRE FIGHTING INSTRUCTIONS: None.

PROTECTION DURING FIREFIGHTING: Do not enter fire area without proper protective equipment, including respiratory protection.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No additional information available.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Isolate from fire, if possible, without unnecessary risk.

NON-EMERGENCY PERSONNEL:

EMERGENCY PROCEDURES: Evacuate unnecessary personnel.

EMERGENCY RESPONDERS:

PROTECTIVE EQUIPMENT: Equip cleanup crew with proper protection

EMERGENCY PROCEDURES: Ventilate area.

ENVIRONMENTAL PRECAUTIONS: Prevent entry to sewers and public waters.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: See Section 8 Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking tobacco, or chewing gum and when leaving work.

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

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS: Keep only in the original container with original label in a cool, well ventilated place away from children. Keep container closed when not in use.

INCOMPATIBLE PRODUCTS: Strong bases, acids.

INCOMPATIBLE MATERIALS: Sources of ignition.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Bacillus thuringiensis subspecies *israelensis* solids, spores and insecticidal toxins*
7,000 aedes egypti (AA) International Toxic Units (ITU) per mg of primary powder.

USA ACGIH	ACGIH TWA (mg/m3)	5mg/m3
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EXPOSURE CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT: Avoid all unnecessary exposure.

RESPIRATORY PROTECTION: Wear approved mask.

EYE PROTECTION: Chemical goggles or safety glasses.

SKIN PROTECTION/PROTECTIVE GLOVES: Wear protective gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: When using do not eat, drink or smoke. Wash thoroughly with soap and water after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE/COLOR:	Solid, light brown.
ODOR:	Essentially no fragrance
ODOR THRESHOLD:	No data available.
pH:	N/A
RELATIVE EVAPORATION RATE:	No data available.
MELTING/FREEZING POINT:	No data available.
FLASH POINT:	No data available.
SELF IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
FLAMMABILITY (SOLID, GAS):	No data available.
VAPOR PRESSURE (mmHg):	No data available.
RELATIVE VAPOR DENSITY AT 20°C:	No data available.
RELATIVE DENSITY:	No data available.
DENSITY:	No data available.
SOLUBILITY:	No data available.

OTHER INFORMATION:

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No additional information available.

CHEMICAL STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Heat. Extremely high temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): No data available.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None.

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A



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SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not classified.

<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> solids, spores and insecticidal toxins* 7,000 aedes egypti (AA) International Toxic Units (ITU) per mg of primary powder.	
LD50 oral rat	➤ 10000 mg/kg (Rat)
LD50 dermal rabbit	➤ 10000 mg/kg (Rabbit)

SKIN CORROSION/IRRITATION: Not classified.

SERIOUS EYE DAMAGE/IRRITATION: Not classified.

RESPIRATORY OR SKIN SENSITIZATION: Not classified.

GERM CELL MUTAGENICITY: Not classified.

CARCINOGENICITY: Not classified.

Bacillus thuringiensis subspecies *israelensis* solids, spores and insecticidal toxins*

7,000 aedes egypti (AA) International Toxic Units (ITU) per mg of primary powder.	
IARC Group	3 – Not Classifiable.

REPRODUCTIVE TOXICITY: Not classified.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Not classified.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Not classified.

ASPIRATION HAZARD: Not classified.

POTENTIAL ADVERSE HUMAN HEALTH EFFECTS AND SYMPTOMS: Based on available date, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: No additional information available.

PERSISTENCE AND DEGRADABILITY:

MARC B.T.I.BRIQUETS/MOSQUITO DUNKS	
Persistence and Degradability	Not Established
MARC B.T.I.BRIQUETS/MOSQUITO DUNKS	
Persistence and Degradability	Contains readily biodegradable component(s)

BIOACCUMULATIVE POTENTIAL

MARC B.T.I.BRIQUETS/MOSQUITO DUNKS	
Bioaccumulative Potential	Not Established
MARC B.T.I.BRIQUETS/MOSQUITO DUNKS	
Bioaccumulative Potential	Not Established
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Bioaccumulative Potential	No bioaccumulation data available.



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MOBILITY IN SOIL: No additional information available.

OTHER ADVERSE EFFECTS:

Other information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOMMENDATIONS: Dispose in a safe manner in accordance with local/national regulations.

ECOLOGY – WASTE MATERIALS: Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

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

IN ACCORDANCE WITH DOT – NON DANGEROUS GOODS IN SENSE OF TRANSPORT REGULATIONS

OTHER INFORMATION: No supplementary information available.

CONTAINER SIZES(S):	SPECIAL
PROPER SHIPPING NAME:	INSECTICIDES, FUNGICIDES, INSECT OR ANIMAL REPELLENTS, N.O.I.
HAZARD CLASS:	NONE
ID NUMBER:	NONE
PACKING GROUP:	NONE
LABEL STATEMENT:	NONE

SECTION 15: REGULATORY INFORMATION

This chemical is a product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION: KEEP OUT OF REACH OF CHILDREN

Causes moderate eye irritation.

U.S. FEDERAL REGULATIONS

MARC B.T.I.BRIQUETS/MOSQUITO DUNKS

Not listed on the United States TSCA (Toxic Substances Control Act) Inventory

MARC B.T.I.BRIQUETS/MOSQUITO DUNKS

Not listed on the United States TSCA (Toxic Substances Control Act) Inventory

INTERNATIONAL REGULATIONS:

CANADA: No additional information available.

EU-REGULATIONS:

No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified.



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SECTION 16: OTHER INFORMATION

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

REVISION DATE: 10/24/2016

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.