



SAFETY DATA SHEET

Product: MARC 22 PHOTO BLUE DYE POWDER –
4 oz. Water Soluble Packets.

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 22 PHOTO BLUE POWDER – 4 oz Water Soluble Packets

SDS DATE: 09/01/16

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: Dye. Apply to natural and man-made self contained ponds with little or no outflow. Colors water a pleasant aqua blue. Apply for ornamental and recreational use.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

SIGNAL WORD: **NOT HAZARDOUS.**
This product contains no substances which at their given concentration, are considered to be hazardous to health.

PRECAUTIONARY STATEMENTS: Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Avoid breathing dust /fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):

OTHER INFORMATION:
UNKNOWN ACUTE TOXICITY
75.25 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>
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This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: FIRST AID MEASURES

FIRST AID MEASURES FOR DIFFERENT EXPOSURE ROUTES:

EYES: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor for treatment advice.

SKIN: Wash skin with soap and water.

INGESTION: Clean mouth with water and drink plenty of water afterwards. If you feel unwell or are concerned, call poison control center or doctor immediately for treatment advice. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. Call a poison control center or doctor for further treatment advice.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

MAIN SYMPTOMS: No information available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.



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SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: Keep away from heat and sources of ignition.

SPECIAL FIRE FIGHTING EQUIPMENT/ PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No information available.

EXPLOSION DATA:

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: Fine dust dispensed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Prevent further leakage or spillage if safe to do so. Use personal protective equipment. (See Section 8). Avoid contact with the skin and the eyes. Ensure adequate ventilation. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

PROTECTIVE EQUIPMENT: Use personal protective devices as stated in Section 8.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as EMERGENCY PROCEDURES.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING: Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. (See Section 8). Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Provide appropriate exhaust ventilation at places where dust is formed. As a rule, at least 10 air changes per hour are recommended at the workplace. Do not eat, drink or smoke when using this product.

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

STORAGE: Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular local and national regulations.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acid Blue 9, Disodium Salt	10 mg/m ³ TWA Total Dust 3 mg/m ³ Respirable	15 mg/m ³ TWA Total Dust 5 mg/m ³ Respirable	No information available.

ENGINEERING CONTROLS/ VENTILATION:

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

RESPIRATORY PROTECTION:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

EYE PROTECTION:

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances. This is irrespective of the recommendation involving the wearing of eye protection.

SKIN PROTECTION/PROTECTIVE GLOVES: Wear protective gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Showers and eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE;	No information available.
PHYSICAL STATE:	Powder
COLOR:	Blue.
ODOR:	No information available.
ODOR THRESHOLD:	No information available.
pH:	No information available.
MELTING POINT:	N/A
BOILING POINT:	No information available.
FLASH POINT/METHOD USED:	No information available.
EVAPORATION RATE:	No data available.
FLAMMABILITY (solid, gas):	No data available.
FLAMMABILITY LIMITS:	
UPPER FLAMMABILITY LIMIT:	No information available.
LOWER FLAMMABILITY LIMIT:	No information available.
VAPOR PRESSURE (mmHg):	No information available.
VAPOR DENSITY (AIR = 1):	No information available.
SPECIFIC GRAVITY (H₂O = 1):	No information available.
SOLUBILITY IN OTHER SOLVENTS:	No information available.
PARTITION COEFFICIENT: / N-OCTANOL/WATER:	No information available.
DECOMPOSITION TEMPERATURE:	No information available.
KINEMATIC VISCOSITY:	No data available.
DYNAMIC VISCOSITY:	No information available.
EXPLOSIVE PROPERTIES:	No information available.
OXIDIZING PROPERTIES:	No information available.



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OTHER INFORMATION:

SOFTENING POINT: No information available.
MOLECULAR WEIGHT:
VOC CONTENT (%): No information available.
DENSITY: No information available.
BULK DENSITY: No information available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

INCOMPATIBILITY (MATERIALS TO AVOID): None based on information supplied.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May emit toxic fumes under fire conditions.

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

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

PRODUCT INFORMATION:

EYES: Avoid contact with eyes.

SKIN: Avoid contact with skin.

INGESTION: Not an expected route of exposure. Do not taste or swallow.

INHALATION: Avoid breathing vapors or mists.

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: No information available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SENSITIZATION: No information available.
GERM CELL MUTAGENICITY: No information available.
CARCINOGENICITY: There are no known carcinogenic chemicals in this product.
REPRODUCTIVE TOXICITY: No information available.
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE): No information available.
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE): No information available.
ASPIRATION HAZARD: No information available.

NUMERICAL MEASURES OF TOXICITY – PRODUCT INFORMATION

UNKNOWN ACUTE TOXICITY: 75.25 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

The following values are calculated based on chapter 3.1 of the GHS document;

ATEmix (oral) 12121 mg/kg



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: 0.25% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATION: No information available.

OTHER ADVERSE EFFECTS; No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations. (40 CFR 261).

CONTAMINATED PACKAGING: Do not re-use empty containers. Dispose of in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Packets
PROPER SHIPPING NAME: COLORANT, POWDERED
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD:	No
CHRONIC HEALTH HAZARD:	No
FIRE HAZARD:	No
SUDDEN RELEASE OF PRESSURE HAZARD:	No
REACTIVE HAZARD:	No

CLEAN WATER ACT:

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 320) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US STATE REGULATIONS:

This product does not contain any Proposition 65 chemicals.



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SECTION 16: OTHER INFORMATION

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

REVISION DATE: 09/01/16

DISCLAIMER: The information provided on the SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 any other material or in any process, unless specified in the text.