

SAFETY DATA SHEET (SDS)

MAKO(TM) High Concentrate Lake & Pond Dye Bahama Blue, Midnight Black, Perfect Blue

Prepared in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200) and SDS content requirements (Appendix D).

1. IDENTIFICATION

Product identifier:	MAKO(TM) High Concentrate Lake & Pond Dye; concentrated aqueous aquatic dye/colorant.
Product names covered by this SDS:	MAKO(TM) High Concentrate Lake & Pond Dye - Bahama Blue (SKU NTB1676) MAKO(TM) High Concentrate Lake & Pond Dye - Midnight Black (SKU NTB1677) MAKO(TM) High Concentrate Lake & Pond Dye - Perfect Blue (SKU NTB1678)
Synonyms:	Mako dye, aquatic colorant, lake dye concentrate, pond dye concentrate.
Recommended use:	Colorant for lakes, ponds, decorative water features, and aquaculture systems.
Restrictions on use:	Use only as directed. Not for human or animal consumption. Prevent large spills or uncontrolled release of concentrated product into drains, storm sewers, sewers, or waterways.
SDS product scope:	This SDS applies only to the MAKO(TM) High Concentrate Lake & Pond Dye products listed above as supplied by NewTechBio. It does not apply to other products, repackaged materials, incompatible mixtures, or product altered except as directed.
Manufacturer/Supplier:	NewTechBio, Inc. 4301 US 9 N Howell, NJ 07731 USA
Telephone (product information; not an emergency number):	800-509-0927
Emergency telephone number:	CHEMTREC US: 1-800-424-9300 CHEMTREC International: +1-703-527-3887
Emergency overview:	For life-threatening emergencies call 911. For transportation or spill emergencies, contact CHEMTREC. For product information, contact NewTechBio, Inc.
SDS revision date:	2026-05-06

2. HAZARD(S) IDENTIFICATION

Classification (OSHA HazCom / GHS):	Not classified as hazardous based on available information for this non-hazardous mixture under OSHA 29 CFR 1910.1200.
OSHA defined hazards (HNOC):	No OSHA-defined hazards known under normal handling and use. Spilled liquid may create a slip hazard. Concentrated dye may stain skin, clothing, equipment, flooring, concrete, porous surfaces, and spill-control materials.
Label elements:	Signal word: None. Hazard statements: None required for a non-classified mixture. Pictograms: None.
Precautionary statements (general):	Keep container closed when not in use. Avoid contact with eyes. Avoid prolonged skin contact with concentrate. Wear gloves and eye protection when handling concentrate, pouring, transferring, or cleaning spills. Wash hands after handling. Clean spills promptly.
Other hazards:	None known under normal handling and use. Product is an intense water-soluble dye concentrate and may cause temporary staining. Large spills should be contained to prevent entry into drains or waterways.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Water-based concentrated aquatic dye/colorant blend. This product is a non-hazardous mixture. No individual component is classified as hazardous under GHS based on available product information.

Component	CAS No.	Concentration	Function / notes
Acid Blue dye pigment	3844-45-9	Proprietary	Water-soluble colorant.
FD&C; Yellow dye pigment	1934-21-0	Proprietary	Water-soluble colorant; present in color variants where applicable.
Deionized water	7732-18-5	Balance / proprietary	Solvent / carrier.

Disclosure note: Exact dye ratios and colorant percentages are proprietary. Information necessary for safe handling, use, storage, transportation, disposal, and release response is provided in this SDS.

4. FIRST-AID MEASURES

Inhalation:	Product is non-volatile under normal handling. If mist, spray, or aerosol causes discomfort, move person to fresh air. Seek medical attention if symptoms persist.
Skin contact:	Wash thoroughly with soap and water. Product may temporarily stain skin. Seek medical attention if irritation develops or persists.
Eye contact:	Rinse eyes with water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing. Get medical help if redness, discomfort, or irritation continues.
Ingestion:	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if a large quantity is swallowed or if symptoms occur.
Most important symptoms/effects, acute and delayed:	May cause mild eye or skin irritation. Ingestion of a large quantity may cause gastrointestinal discomfort. Product may temporarily stain contacted tissues or surfaces.
Indication of immediate medical attention and special treatment:	Treat symptomatically. No specific antidote known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray, foam, dry chemical, carbon dioxide (CO ₂), or other media appropriate for the surrounding fire.
Unsuitable extinguishing media:	None known.

Specific hazards arising from the chemical:	Product is water-based and non-flammable. In fire conditions, packaging, dried residues, or surrounding combustibles may produce carbon oxides and trace organic decomposition products.
Special protective equipment and precautions for firefighters:	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing appropriate for the surrounding fire. Cool exposed containers with water spray if safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Wear chemical-resistant gloves and eye protection. Avoid contact with eyes and prolonged skin contact. Spilled liquid may be slippery and may stain surfaces; restrict traffic and clean promptly.
Environmental precautions:	Prevent large spills or uncontrolled release of concentrate from entering drains, storm sewers, sewers, surface waters, or waterways.
Methods and materials for containment and cleaning up:	Stop leak if safe. Contain spill to prevent spreading. Absorb with inert material such as vermiculite, sand, clay, absorbent pads, or commercial absorbent. Collect into sealed or suitable containers for disposal. Rinse area with water after bulk material is removed, taking care to prevent slip hazards and dye tracking.
Large spills:	Dike or contain. Recover liquid where practical. Notify appropriate authorities if a reportable or uncontrolled release occurs or if product enters storm drains, surface waters, or regulated waterways.

7. HANDLING AND STORAGE

Precautions for safe handling:	Use only as directed. Provide adequate ventilation. Avoid eye contact and prolonged skin contact with concentrate. Wear gloves and eye protection when pouring, transferring, handling leaking containers, or cleaning spills. Protect nearby surfaces, clothing, boats, docks, and equipment from staining during application. Wash hands after handling.
Conditions for safe storage, including incompatibilities:	Keep in tightly closed containers at 5-40 deg C. Protect from freezing, heat, and direct sunlight. Store away from strong oxidizers. Keep containers upright where practical and protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	No occupational exposure limits established for dye pigments or the mixture.
Engineering controls:	General room ventilation is adequate for routine handling. Use additional ventilation if mist, spray, or aerosol is generated during transfer or application.
Eye/face protection:	Wear safety goggles or safety glasses with side shields when handling concentrate, pouring, transferring, or cleaning spills.
Skin protection:	Wear chemical-resistant gloves when handling concentrate. Protective clothing may be used as needed to avoid prolonged skin contact and prevent staining.
Respiratory protection:	Not normally required. If mist or aerosol is generated and ventilation is inadequate, use respiratory protection appropriate for the exposure conditions and applicable workplace requirements.
Hygiene measures:	Wash hands after handling. Avoid touching eyes or face with contaminated hands. Clean stained tools and equipment promptly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties. Typical values are provided for safety guidance and are not product specifications.

Property	Value
Appearance	Deep-colored liquid; shade varies by product variant.

Property	Value
Odor	Odorless.
Odor threshold	No data available.
pH	Approximately 6.5-8.5.
Melting point/freezing point	No data available; water-based product should be protected from freezing.
Initial boiling point and boiling range	Approximately 100 deg C (212 deg F).
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability	Not classified as flammable.
Upper/lower flammability or explosive limits	Not applicable / no data available.
Vapor pressure	Less than 2 kPa at 20 deg C.
Vapor density	No data available.
Relative density / specific gravity	Approximately 1.02-1.05.
Solubility	Miscible in water.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Particle characteristics	Not applicable; product is a liquid.
Explosive properties	Not expected to be explosive.
Oxidizing properties	Not expected to be oxidizing.

10. STABILITY AND REACTIVITY

Reactivity:	No hazardous reactivity known under normal conditions of use and storage.
Chemical stability:	Chemically stable under recommended conditions.
Possibility of hazardous reactions:	No dangerous reactions expected under normal handling. Hazardous polymerization is not expected.
Conditions to avoid:	Extreme heat, freezing, direct sunlight, container damage, and uncontrolled release of concentrate.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon oxides under fire conditions. Packaging, dried residues, or surrounding combustibles may produce trace organic decomposition products.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Eye contact, skin contact, incidental ingestion, and inhalation of mist or aerosol if generated.
Symptoms related to physical, chemical, and toxicological characteristics:	May cause mild eye or skin irritation. Ingestion of a large quantity may cause gastrointestinal discomfort. Product may temporarily stain skin or contacted tissues.
Acute toxicity:	Non-toxic by oral, dermal, or inhalation routes based on available product information.
Skin corrosion/irritation:	May cause mild irritation. Not classified as a skin irritant based on available information.
Serious eye damage/eye irritation:	May cause mild irritation. Not classified as a serious eye irritant based on available information.

Respiratory or skin sensitization:	Not a sensitizer based on available product information.
Germ cell mutagenicity:	No data available for the mixture.
Carcinogenicity:	No data available for the mixture.
Reproductive toxicity:	No data available for the mixture.
Specific target organ toxicity, single and repeated exposure:	No data available for the mixture. No known chronic health effects at intended use concentrations.
Aspiration hazard:	No data available; not expected to be an aspiration hazard based on the water-based nature of the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Non-toxic to fish and aquatic organisms at recommended dilutions based on available product information.
Aquatic release considerations:	Product is intended for controlled application to lakes, ponds, decorative water features, and aquaculture systems according to directions. Avoid large spills or uncontrolled release of concentrated product.
Persistence and degradability:	Partially biodegradable based on available product information.
Bioaccumulative potential:	Low potential based on available product information.
Mobility in soil:	Fully miscible in water. Product may migrate with water flow if released outside intended use and may stain soil, sediment, concrete, and porous materials.
Other adverse effects:	None known under intended use conditions.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Dispose of unused product, spill absorbents, and empty containers in accordance with local, state, and federal regulations as non-hazardous wastewater or non-hazardous waste, as applicable.
Product disposal:	Where appropriate and allowed, unused product may be used according to label directions. Otherwise collect and dispose through an approved waste-management method.
Container disposal:	Empty containers may retain residue and dye staining. Do not reuse empty containers for food, feed, drinking water, or unrelated materials. Dispose of empty containers in trash or recycle where accepted and allowed.
Disposal precautions:	Do not dump concentrated product into storm drains, surface waters, wetlands, sewers, or drinking water supplies.

14. TRANSPORT INFORMATION

DOT (US):	Not regulated as a hazardous material.
IMDG:	Not regulated.
IATA:	Not regulated.
UN number / proper shipping name / hazard class / packing group:	Not applicable.
Environmental hazards:	None known based on available information.
Special precautions:	Protect containers from damage, leakage, freezing, excessive heat, and puncture during transport. Keep containers closed and upright where practical. Dye concentrate may stain vehicles, pallets, packaging, and handling equipment if leaked or spilled.

15. REGULATORY INFORMATION

US Federal Regulations:	This section summarizes selected regulatory information for the product as supplied. It is not a complete regulatory analysis.
OSHA Hazard Communication Standard (29 CFR 1910.1200):	This product is not classified as hazardous based on available information.
TSCA Inventory:	All components are listed or exempt based on available product information.
SARA Title III Sections 302/304/311/312/313:	No components exceed reporting thresholds. Sections 302, 304, 311, 312, and 313 are not applicable based on available product information.
CERCLA:	Not listed based on available product information.
RCRA:	This product is not expected to be a hazardous waste when disposed of as supplied.
FIFRA / pesticide status:	This SDS describes the product as an aquatic colorant/dye. This SDS does not establish pesticide, algacide, or herbicide use claims. Use only according to product labeling and applicable requirements.
California Proposition 65:	No listed chemicals based on available product information.
New York City Hazardous Substances:	This product does not contain any substances listed on the New York City Hazardous Substances List based on available product information.

16. OTHER INFORMATION

HMIS Rating (typical):	Health 1 Flammability 0 Physical Hazard 0 Personal Protection: B for concentrate handling, pouring, transfer, or spill cleanup.
NFPA Rating (typical):	Health 1 Flammability 0 Instability 0.
Revision information:	Revision 2.2 (Final) - Reformatted to the NewTechBio SDS layout used for current product SDS documents. Expanded OSHA Appendix D section coverage. Updated product scope, contact format, spill/staining precautions, handling and storage, exposure controls, physical-property data gaps, ecological considerations, disposal, transport, regulatory information, and Section 16 revision control for MAKO(TM) High Concentrate Lake & Pond Dye. Supersedes SDS Version 2.1 dated April 27, 2025.
Document ID:	NTB-MAKO-DYE-SDS-002 Rev. 2.2
Disclaimer:	The information in this SDS is believed to be accurate as of the revision date and is provided for guidance in safe handling, use, storage, transportation, disposal, and release response. It relates only to the specific product identified and may not be valid when the product is used with other materials, repackaged, altered, or used in a process not described. NewTechBio, Inc. makes no warranties, expressed or implied, regarding this information. Customer is responsible for determining whether the product and this information are appropriate for the intended use and satisfy applicable workplace, site, local, state, federal, and regulatory requirements.