01302-5802

SAFETY DATA SHEET

Issue date: April 9, 2026

SECTION 1: IDENTIFICATION
Product Identifier: Procion MX Dye: Marine Violet, Midnight Blue
Synonyms: None.
Product Code: 058, 079
Recommended Use: For use in dyeing clothing and fabrics.
Recommended Restrictions: None known.
Manufacturer/Supplier Details:
Jacquard Products | Rupert, Gibbon & Spider, Inc.
1147 Healdsburg Ave.
Healdsburg, CA 95448 USA
Telephone: 1-800-442-0455 / 1-707-433-9577
Website: www.jacquardproducts.com
Emergency Telephone Number:
ChemTel, Inc. - Contract #MIS9128344
North America: 1-800-255-3924
International: 1-813-248-0585

SECTION 2: Hazard(s) identification
This Safety Data Sheet has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System (GHS).

- **Classification of the substance or mixture:**
    - Serious eye damage/eye irritation (Category 2A)
    - Respiratory sensitization (Category 1)
    - Skin sensitization (Category 1)

- **Label elements:**
  - **Signal word:** DANGER
  - **Hazard pictograms:**

  - **Hazard statements:**
    - H317: May cause an allergic skin reaction.
    - H319: Causes serious eye irritation.
    - H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - **Precautionary statements:**
    - **Prevention:**
      - P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
      - P264: Wash thoroughly after handling.
      - P272: Contaminated work clothing must not be allowed out of the workplace.
      - P280: Wear protective gloves/eye protection/face protection.
      - P284: In case of inadequate ventilation wear respiratory protection.
    - **Response:**
      - P302 + P352: IF ON SKIN: Wash with plenty of water.

- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313: If eye irritation persists: Get medical advice/attention.
- P342 + P311: If experiencing respiratory symptoms: Call a poison center/doctor.
- P363: Wash contaminated clothing before reuse.

- **Storage:** Not assigned.
- **Disposal:**
  - P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazards not otherwise classified (HNOC):** None known.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS No.	Concentration
Reactive Blue 4	13324-20-4	20 - 50%
Reactive Red 2	17804-49-8	3 - 15%

Additional Information:
All concentrations are in percent by weight. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

SECTION 4: First aid measures

- **Description of first aid measures:**

- **Inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.
- **Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention.
- **Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- **Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

- **Most important symptoms/effects, acute and delayed:** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash.
- **Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
- **General information:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5: Fire-fighting measures

- **Suitable extinguishing media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
- **Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.
- **Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

- **Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- **Fire fighting equipment/instructions:** Use water spray to cool unopened containers.
- **Specific methods:** Use standard firefighting procedures and consider the hazards of other involved materials.
- **General fire hazards:** No unusual fire or explosion hazards noted.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- **Methods and materials for containment and cleaning up:**
    - **Large Spills:** Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.
    - **Small Spills:** Clean surface thoroughly to remove residual contamination.
    - Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
- **Environmental precautions:** Avoid discharge into drains, water courses or onto the ground.

SECTION 7: Handling and storage

- **Precautions for safe handling:** Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Persons susceptible to allergic reactions should not handle this product. Observe good industrial hygiene practices.

- **Conditions for safe storage, including any incompatibilities:** Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: Exposure controls/personal protection

- **Control parameters:**
    - **Occupational exposure limits:**
        - **Particulates Not Otherwise Regulated (General Dust):**
            - OSHA PEL: 15 mg/m³ (Total Dust); 5 mg/m³ (Respirable Fraction)
    - **Biological limit values:** No biological exposure limits noted for the ingredient(s).
- **Exposure controls:**
    - **Appropriate engineering controls:** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
    - **Individual protection measures, such as personal protective equipment:**
        - **Eye/face protection:** Wear safety glasses with side shields (or goggles).
        - **Skin protection:**
            - **Hand protection:** Wear suitable chemical resistant gloves. Nitrile gloves are recommended.
            - **Other:** Wear appropriate chemical resistant clothing.
        - **Respiratory protection:** In case of inadequate ventilation, wear suitable respiratory equipment. Dust mask or respirator with P100 filter is recommended for high dust concentrations.

- **Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

- **Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: Physical and chemical properties

- **Appearance:**
  - **Physical state:** Solid.
  - **Form:** Powder.
  - **Color:** Yellow to dark brown.
- **Odor:** Odorless.
- **Odor threshold:** Not determined.
- **pH:** 4.5 – 8 at 10 g/l.
- **Melting point/freezing point:** Not determined.
- **Initial boiling point and boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Evaporation rate:** Not determined.
- **Flammability (solid, gas):** Will burn if involved in a fire.
- **Upper/lower flammability or explosive limits:** Not determined.
- **Vapor pressure:** Not determined.
- **Vapor density:** Not determined.
- **Relative density:** Not determined.
- **Solubility(ies):**
  - **Solubility (water):** > 100 g/l.

- **Partition coefficient (n-octanol/water):** Not applicable (mixture).
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Viscosity:** Not applicable (solid).
- **Bulk density:** 600 - 800 kg/m³.

SECTION 10: Stability and reactivity

- **Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- **Chemical stability:** Material is stable under normal conditions.
- **Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.
- **Conditions to avoid:** Contact with incompatible materials.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No hazardous decomposition products are known.

SECTION 11: Toxicological information

- **Information on likely routes of exposure:**
    - **Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
    - **Skin contact:** May cause an allergic skin reaction.
    - **Eye contact:** Causes serious eye irritation.
    - **Ingestion:** Expected to be a low ingestion hazard.
- **Symptoms related to the physical, chemical and toxicological characteristics:** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. May cause an allergic skin reaction. Dermatitis. Rash.
- **Information on toxicological effects:**

- **Acute toxicity:**
  - **Reactive Blue 4 (CAS 13324-20-4):** LD50 (Oral, Rat): 8980 mg/kg
  - **Reactive Red 2 (CAS 17804-49-8):** LD50 (Oral, Rat): 7460 mg/kg
- **Skin corrosion/irritation:** Not classified.
- **Serious eye damage/eye irritation:** Causes serious eye irritation.
- **Respiratory or skin sensitization:**
  - **Respiratory sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - **Skin sensitization:** May cause an allergic skin reaction.
- **Germ cell mutagenicity:** Not classified.
- **Carcinogenicity:** Not classified.
  - **IARC Monographs. Overall Evaluation of Carcinogenicity:** Not listed.
  - **NTP Report on Carcinogens:** Not listed.
  - **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053):** Not listed.
- **Reproductive toxicity:** Not classified.
- **Specific target organ toxicity – single exposure:** Not classified.
- **Specific target organ toxicity – repeated exposure:** Not classified.
- **Aspiration hazard:** Not classified.

SECTION 12: Ecological information

- **Ecotoxicity:** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
- **Persistence and degradability:** No data is available on the degradability of this product.
- **Bioaccumulative potential:** No data available.
- **Mobility in soil:** No data available.

- **Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

- **Disposal methods:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Local disposal regulations:** Dispose in accordance with all applicable regulations.
- **Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- **Waste from residues / unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
- **Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

- **DOT:** Not regulated as dangerous goods.
- **IATA:** Not regulated as dangerous goods.
- **IMDG:** Not regulated as dangerous goods.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

SECTION 15: Regulatory information

- **US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** All components are listed on or exempt from the TSCA inventory. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

- **CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.
- **SARA 304 Emergency release notification:** Not regulated.
- **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053):** Not listed.
- **Superfund Amendments and Reauthorization Act of 1986 (SARA):**
    - **SARA 302 Extremely hazardous substance:** Not listed.
    - **SARA 311/312 Hazardous chemical:** Yes.
    - **Classified hazard categories:**
        - Respiratory sensitization
        - Skin sensitization
        - Serious eye damage or eye irritation
    - **SARA 313 (TRI reporting):** Not regulated.
- **Other federal regulations:**
    - **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.
    - **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.
    - **Safe Drinking Water Act (SDWA):** Not regulated.
- **US state regulations:**
    - **California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

- **HMIS® ratings:**
    - Health: 2*
    - Flammability: 1
    - Physical hazard: 0

- *Note: The asterisk ()* indicates chronic health effects possible due to respiratory sensitization.*

- **NFPA ratings:**
  - Health: 2
  - Flammability: 1
  - Instability: 0
- **List of abbreviations:**
  - ACGIH: American Conference of Governmental Industrial Hygienists.
  - CAS: Chemical Abstract Service.
  - DOT: Department of Transportation.
  - IARC: International Agency for Research on Cancer.
  - IATA: International Air Transport Association.
  - IMDG: International Maritime Dangerous Goods.
  - LD50: Lethal Dose, 50%.
  - NIOSH: National Institute for Occupational Safety and Health.
  - NTP: National Toxicology Program.
  - OSHA: Occupational Safety and Health Administration.
  - PEL: Permissible Exposure Limit.
  - SARA: Superfund Amendments and Reauthorization Act.
  - TSCA: Toxic Substances Control Act.
- **References:**
  - IARC Monographs. Overall Evaluation of Carcinogenicity.
  - OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Training information:**

- Follow training instructions when handling this material.

- **Disclaimer:**
  - Rupert, Gibbon & Spider, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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