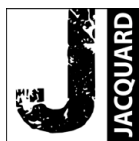


# SAFETY DATA SHEET (SDS)



Jacquard Products  
Manufactured by Rupert, Gibbon & Spider, Inc.  
P.O. Box 425 | Healdsburg, CA 95448  
800.442.0455 | Fax: 707.433.4906  
www.jacquardproducts.com


Procion MX Dye - Bronze - Pg 1

Revision Date: 08/20/2019

## SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

|                      |  |   |
|----------------------|--|---|
| Product Name:        | <b>PROCION MX DYE - BRONZE</b>   |   |
| Product Number/Code: | <b>PMX1106 / PMX2106 / PMX3106</b>   |   |
| Recommended Use:     | Textile manufacturing  |   |
| Description:         | Reactive dyestuff mixture  |   |
| Synonym(s):          | Not available  |   |
| Restrictions on use: | None known   |   |
| Manufacturer:        | Rupert, Gibbon & Spider, Inc.<br>1147 Healdsburg Ave.<br>Healdsburg, CA 95448<br>1-800-442-0455 / 707-433-9577 |   |
| Emergency Number:    | <b>ChemTel, Inc. - Contract #MIS9128344</b>  |   |
|                      | North America:<br><b>1-800-255-3924</b>  | International:<br><b>1-813-248-0585</b> |

## SECTION 2 - HAZARD(S) IDENTIFICATION

|   |   |  |
|---|---|--|
| <b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b> |   |  |
| <b>Toxicological Data on Ingredients:</b>   |   |  |
| Hazard Classification   | Not categorized   |  |
| Physical Hazards:   | Skin Sensitizer<br>Skin Sensitizer<br>Eye Irritant<br>Oral Toxicity                 | Category I<br>Category 1B<br>Category 2A<br>Category 5 |
| Health Hazards:   | Not classified  |  |
| Environmental Hazards:  | Not classified  |  |
| <b>Label Elements</b>   |   |  |
| Pictogram:  |  |  |
| Signal Words:   | WARNING   |  |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | www.jacquardproducts.com

|                                     |   |
|-------------------------------------|---|
| <b>Hazard Statements-EU:</b>        | H303 May be harmful if swallowed.<br>H317 May cause an allergic skin reaction<br>H319 Causes eye irritation.  |
| <b>Precautionary Statements-EU:</b> |   |
| Prevention:                         | P260 Do not breath dust/fume/gas/mist/vapors/spray.<br>P264 Wash face, hands, and any exposed skin thoroughly after handling.<br>P270 Do not eat, drink, or smoke when using this product.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.   |
| Response:                           | P305+P351+P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if preset and easy to do. Continue rinsing.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P302+P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.<br>P332+P313 If skin irritation occurs, Get medical advice/attention.<br>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing. |
| Storage:                            | See section 7   |
| Disposal:                           | See section 13  |
| Hazard(s) not otherwise classified: | None known  |

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

|  |
|--|
| <b>Chemical identity</b>   |
| Proprietary Reactive Orange Dye<br><i>Eye irritant, possible skin sensitizer. May be harmful if swallowed.</i> |
| Proprietary Reactive Yellow<br><i>Eye irritant, possible skin sensitizer. May be harmful if swallowed.</i>     |
| Proprietary Reactive Blue<br><i>May be harmful if swallowed.</i>   |
| <i>*The exact percentages and the composition of materials have been withheld as a trade secret.</i>           |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | www.jacquardproducts.com

## SECTION 4 - FIRST AID MEASURES

| Description of first aid measures:  |   |
|---|---|
| General information:  | Immediately remove all contaminated clothing.   |
| In the event of skin contact:   | Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse. |
| In the event of eye contact:  | Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.                    |
| In the event of swallowing:   | Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.  |
| In the event of exposure by inhalation:                                     | If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.  |
| Most important symptoms and effects, acute and delayed:                     | The most significant symptoms and effects are described in section 2 and/or section 11.   |
| Indication of any immediate medical attention and special treatment needed: | No data available   |

## SECTION 5 - FIREFIGHTING MEASURES

|  |   |
|--|---|
| Flashpoint:  | Not applicable  |
| Extinguishing media:                                   | CO <sup>2</sup> , Dry Chemical, Foam, Water, Fog  |
| Special hazards arising from the substance or mixture: | Avoid dusting conditions. May form explosive dust mixtures with air.  |
| Advice for fire fighters:                              | Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| Personal precautions, protective equipment and emergency procedures: | Do not touch or walk through the spilled material: stop leak if you can do it without risk. Avoid formation and deposition of dust. |
| Methods and material for containment and clean up:                   | Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealed containers.          |
| Environmental procedures:  | Do not empty into drains or waters.   |
| Reference to other sections:   | See section 13 for further disposal measures.   |

## SECTION 7 - HANDLING AND STORAGE

|  |   |
|--|---|
| Precautions for safe handling:                               | In accord with good industrial practice, handle with care and avoid personal contact.   |
| Conditions for safe storage including any incompatibilities: | Keep container protected from direct sunlight in a dry, cool and well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (See section 10). |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | [www.jacquardproducts.com](http://www.jacquardproducts.com)

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

|   |  |
|---|--|
| <b>Control parameters:</b>  |  |
| Occupational exposure limits:   | No info available  |
| Recommended monitoring procedures:  | No info available  |
| Exposure controls:  | Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Keep away from food and drink stuffs.  |
| Appropriate engineering controls:   | Handle with good industrial practices and industrial hygiene. Wash hands after use.  |
| <b>Individual protection measures, such as personal protective equipment:</b> |  |
| Eye/face protection:  | Employees should wear protective eye goggles with side protection shield.  |
| Skin protection:  | Employees should avoid skin contact by wearing protective clothing. Long sleeve shirt, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking, and shower thoroughly before leaving work. |
| Hand protection:  | Protective gloves (PVC or nitrile)   |
| Other protective equipment:   | Wear overalls, apron or other protective clothing.   |
| Environmental exposure controls:  | Use local ventilation.   |
| Respiratory protection:   | Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH-approved dust respirator.   |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | www.jacquardproducts.com

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|  |                               |
|--|-------------------------------|
| <b>General information:</b>                                    |                               |
| Appearance and physical state:                                 | Powder                        |
| Color:   | Grey-brown                    |
| Type of Odor:  | None                          |
| Odor threshold:  | Not applicable                |
| <b>Important health, safety and environmental information:</b> |                               |
| Initial Boiling Point and Boiling Range:                       | Not available                 |
| Melting Point/Freezing Point:                                  | Not applicable                |
| Flammability Classification:                                   | Not flammable                 |
| Flash Point:   | Not applicable                |
| Auto-ignition Temperature:                                     | Not applicable                |
| Decomposition Temperature:                                     | Not determined                |
| Flammability Limits (lower/upper):                             | Not applicable                |
| Evaporation rate:  | Not applicable                |
| Vapor Pressure:  | Not applicable                |
| Vapor Density (Air=1):   | Not applicable                |
| Octanol/Water Partition Coefficient (log Pow):                 | Not applicable                |
| Specific Gravity:  | Not applicable                |
| Bulk Density:  | 500-600 kg/m <sup>3</sup>     |
| Water Solubility:  | 100 g/l @ 60°C                |
| pH:  | 7.0-8.0 at 10 g/l @ 20°C      |
| Viscosity:   | Not applicable                |
| Explosive Properties:  | Not applicable                |
| Oxidizing Properties:  | Not applicable                |
| Molecular Formula:   | Not available                 |
| Molecular Weight:  | Not available                 |
| Relative Density:  | Not applicable                |
| UEL/LEL:   | Not applicable                |
| % Volatile:  | 0.4 - Comment: De-dusting oil |

## SECTION 10 - STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Thermal decomposition:              | No thermal decomposition when stored and handled properly. |
| Reactivity:                         | Will not occur   |
| Stability:                          | Stable   |
| Possibility of hazardous reactions: | None expected  |
| Conditions to avoid:                | Avoid dusting conditions and sparks/flame.                 |
| Incompatible materials:             | Strong oxidizing agents                                    |
| Hazardous decomposition products:   | CO <sup>2</sup> , CO, Sulphur oxides, Nitrogen oxides      |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | www.jacquardproducts.com

## SECTION 11 - TOXICOLOGICAL INFORMATION

|   |  |                        |                  |                      |                     |
|---|--|------------------------|------------------|----------------------|---------------------|
| <b>Information on toxicological effects:</b>          |  |                        |                  |                      |                     |
| Acute toxicity (list all possible routes of exposure) |  |                        |                  |                      |                     |
| Acute Oral Toxicity:                                  | LD50 (ingestion) >4,000 mg/kg (rat)  |                        |                  |                      |                     |
| Acute Inhalation Toxicity:                            | LC50 (fish) >100 mg/l (48 hour, Oncorhynchus mykiss)   |                        |                  |                      |                     |
| Skin Corrosion/Irritation:                            | Non irritant (rabbit)  |                        |                  |                      |                     |
| Serious Eye Damage / Eye Irritation:                  | Irritant (rabbit)  |                        |                  |                      |                     |
| Respiratory or Skin Sensitization:                    | Skin Sensitizer  |                        |                  |                      |                     |
| Carcinogenicity (IARC/NTP/OSHA/ACGIH):                | Not determined   |                        |                  |                      |                     |
| Primary route of exposure:                            | Inhalation:<br>Yes   | Skin absorption:<br>No | Ingestion:<br>No | Skin contact:<br>Yes | Eye contact:<br>Yes |
| <b>Potential Health Effects:</b>                      |  |                        |                  |                      |                     |
| Chronic Health Effects:                               | Eye irritant. May cause skin and respiratory tract irritation. Reactive dyes may cause sensitization in some people. |                        |                  |                      |                     |
| Additional Data:                                      | Persons with pre-existing skin or eye conditions may be more susceptible to the effects of this product.             |                        |                  |                      |                     |

## SECTION 12 - ECOLOGICAL INFORMATION

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>Toxicity:</b>               |                                    |
| Persistence and degradability: | <10%                               |
| Bacteria toxicity:             | >10 ml/l (3 hour activated sludge) |
| AOX:                           | >1.0%                              |
| COD:                           | Not determined                     |

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                                 |   |
|---------------------------------|---|
| <b>Waste treatment methods:</b> |   |
| Disposal:                       | If utilization or recycling of the product is not available, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant. |
| Container Disposal:             | Soiled, empty containers are to be treated in the same way as the contents.   |

## SECTION 14 - TRANSPORT INFORMATION

|                                      |  |
|--------------------------------------|--|
| General Information:                 | The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT). |
| UN number:                           | Not relevant   |
| UN proper shipping name:             | Non-Hazardous Ink Material   |
| Transport hazard class:              | Not relevant   |
| Frt. Class Package:                  | 55   |
| <b>Environmental Hazards:</b>        |  |
| Environmentally hazardous substance: | No   |
| Special precautions for user:        | Not relevant   |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | www.jacquardproducts.com

## SECTION 15 - REGULATORY INFORMATION

| Safety, health and environmental regulations/legislation specific for the substance or mixture: |   |     |
|---|---|-----|
| Hazard categories   |   |     |
| TSCA:   | The components of this product are listed on the TSCA Inventory.  |     |
| SARA 313:   | This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.  |     |
| SARA 312:   | Immediate (acute) health hazard:  | Yes |
|   | Delayed (chronic) health hazard:  | Yes |
|   | Fire hazard:  | No  |
|   | Sudden release of pressure:   | No  |
|   | Reactivity:   | No  |
| German Ordinance:   | This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC. |     |
| California Proposition 65:  | Used as directed, this product will NOT expose you to chemicals known to cause cancer.  |     |

## SECTION 16 - OTHER INFORMATION

| HMIS Hazard ID:   |   |
|---|---|
| Health:   | 2   |
| Flammability:   | 1   |
| Reactivity:   | 0   |
| Personal protection:  | E - Safety glasses, gloves, dust respirator |
| Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect |   |

**Disclaimer:**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

**Revision Date: 08/20/2019**

| National Chemical Inventories:  |                   |
|---|-------------------|
| All components of this product are listed on the following chemical substance inventories: TSCA (USA) |                   |
| DSL   | (Canada)          |
| EINECS  | (Europe)          |
| ENCS  | (Japan) ECL       |
|   | (Korea)           |
| AICS  | (Australia) NZIoC |
|   | (New Zealand)     |
| PICCS   | (Philippines)     |
| IECSC   | (China)           |

Rupert, Gibbon & Spider, Inc. | P.O. Box 425 | Healdsburg, CA 95448 | 800.442.0455 | Fax: 707.433.4906 | [www.jacquardproducts.com](http://www.jacquardproducts.com)

| <b>Abbreviations:</b> |   |
|-----------------------|---|
| ACGIH                 | American Conference of Governmental Industrial Hygienists   |
| ADR                   | International carriage of Dangerous goods by Road   |
| AICS                  | Australian Inventory of Chemical Substances   |
| ATE                   | Acute Toxicity Estimate   |
| BfR                   | Bundesinstitut für Risikobewertung recommendations for food contact materials   |
| BCF                   | Bioconcentration Factor   |
| BOD5                  | 5-day Biochemical Oxygen Demand   |
| CERCLA                | Comprehensive Environmental Response, Compensation and Liability Act  |
| CLP                   | Classification, Labeling and Packaging regulation   |
| COD                   | Chemical Oxygen Demand DOT<br>Department of Transportation DSL<br>Domestic Substances List  |
| EINECS                | European Inventory of Existing Chemical Substances  |
| ECL                   | Existing Chemicals List (Korea)   |
| ENCS                  | Existing and New Chemical Substances Inventory (Japan)  |
| EN 689                | Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy. |
| ERG                   | Emergency Response Guide  |
| GHS                   | Globally Harmonized System  |
| HMIS                  | Hazardous Materials Information System IARC<br>International Agency for Research on Cancer IATA<br>International Air Transport Association                  |
| ICAO                  | International Civil Aviation Organization IDLH<br>Immediately Dangerous to Life and Health IMDG<br>International Maritime Dangerous Goods                   |
| LD50                  | Lethal Dose to 50% of test animal population  |
| MAK                   | Maximale Arbeitsplatz Konzentration   |
| NTP                   | National Toxicology Program   |
| OEL                   | Occupational Exposure Limit   |
| OSHA                  | Occupational Safety & Health Administration   |
| PBT                   | Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit  |
| PICCS                 | Philippine Inventory of Commercial Chemical Substances  |
| PNEC                  | Predicted No Effect Concentration   |
| REACH                 | Registration, Evaluation and Authorization of Chemical Substances   |
| RID                   | International carriage of dangerous goods by Rail SARA<br>Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit                       |
| SVHC                  | Substance of Very High Concern  |
| TLV                   | Threshold Limit Value   |
| TSCA                  | Toxic Substances Control Act  |
| TWA                   | Time Weighted Average   |
| VOC                   | Volatile Organic Compound   |
| WGK                   | Wassergefährdungsklasse (Water Hazard Class) WHMIS<br>Workplace Hazardous Material Identification System  |