

SAFETY DATA SHEET (SDS)



Jacquard Products
Manufactured by Rupert, Gibbon & Spider, Inc.
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Procion MX Dye - Olive Green - Pg 1

Revision Date: 08/20/2019

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	PROCION MX DYE - OLIVE GREEN	
Product Number/Code:	PMX1105 / PMX2105 / PMX3105	
Recommended Use:	Textile manufacturing	
Description:	Reactive dyestuff mixture	
Synonym(s):	Not available	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

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.

Toxicological Data on Ingredients:

Hazard Classification	Non-categorized	
Physical Hazards:	Skin Sensitizer Eye Irritant Oral Toxicity	Category 1B Category 2A Category 5
Health Hazards:	Not classified	
Environmental Hazards:	Not classified	

Label Elements

Pictogram:	
Signal Words:	WARNING

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Hazard Statements-EU:	H303 May be harmful if swallowed. H317 May cause an allergic skin reaction H319 Causes eye irritation.
Precautionary Statements-EU:	
Prevention:	P260 Do not breath dust/fume/gas/mist/vapors/spray. P264 Wash face, hands, and any exposed skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. 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 present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes. P332+P313 If skin irritation occurs, Get medical advice/attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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

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

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

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SECTION 5 - FIREFIGHTING MEASURES

Flashpoint:	Not applicable
Extinguishing media:	CO ² , 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).

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
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.
Individual protection measures, such as personal protective equipment:	
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.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Powder
Color:	???
Type of Odor:	None
Odor threshold:	Not applicable
Important health, safety and environmental information:	
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:	500-800 kg/m ³
Water Solubility:	100 g/l @ 60°C
pH:	7.0-7.5
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:	Not determined

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 ² , CO, Sulphur oxides, Nitrogen oxides

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SECTION II - TOXICOLOGICAL INFORMATION

Information on toxicological effects:					
Acute toxicity (list all possible routes of exposure)					
Acute Oral Toxicity:	LD50 (ingestion) >4,000 mg/l (rats)				
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 eye)				
Respiratory or Skin Sensitization:	May cause sensitization by skin contact.				
Germ Cell Mutagenicity:					
Carcinogenicity (IARC/NTP/OSHA/ACGIH):	Not determined				
Primary route of exposure:	Yes	No	No	Yes	Yes
Potential Health Effects:					
Chronic Health Effects:	Eye irritant. May cause skin and respiratory tract irritation. Reactive dyes may cause sensitization in some people.				
Additional Data:	Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.				

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SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Bacteria Toxicity EC50:	>100 mg/l (activated sludge respiration test)
Persistence and degradability:	<10%
Bacteria toxicity:	>10 ml/l (3 hour activated sludge)
AOX:	1.4%
COD:	Not determined

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
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
Fr. Class Package:	55
Environmental Hazards:	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

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.	

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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)

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Abbreviations:	
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 Department of Transportation DSL 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 International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG 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 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 Workplace Hazardous Material Identification System