

## SECTION 1: Identification

### 1.1 Identification

Substance name MX400

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture For industrial use only

### 1.3. Supplier

PRO Chemical and Dye  
 126 Shove Street  
 Fall River, MA 02724  
 Phone: 508-676-3838

### 1.4. Emergency telephone number

Emergency number 800-255-3924 ChemTel. (United States)  
 + 1 01 813-248-0585 (Outside the United States)

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Acute toxicity (oral), Category 4

Serious eye damage/eye irritation, Category 2

Skin sensitization, Category 1

Specific target organ toxicity- Single exposure, Category 3, Respiratory tract irritation

Full text of H-statements: see section 16

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)

Warning

Hazard statements (GHS US)

H302 - Harmful if swallowed.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statements (GHS US)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271- Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 +P312 -If swallowed: Call a poison center or doctor if you feel unwell.

P302+F352 - 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.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P330 -Rinse mouth.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P403+P233 - Store in a well-ventilated place Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/r international regulation.

# MX400, MX 434, MX444, MX4148, MX4156 and MX4190

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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	GHS US classification
MX 400 (Main constituent)	Proprietary	100	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335

Full text of hazard classes and H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	May cause an allergic skin reaction.
Symptoms/effects after eye contact	Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for firefighters

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel	
Emergency procedures	Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	Mechanically recover the product.
Other information	Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

MX400
No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls	Ensure good ventilation of the work station.
Environmental exposure controls	Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Color	Blue
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point	No data available

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Freezing point	Not applicable
Boiling point	No data available
Flash point	Not applicable
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	Non flammable
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient -octanol/water (Log Pow)	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive limits	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7)

### 10.5. Incompatible materials

additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

MX400	
LD50 oral rat	>2000 mg/kg
ATE US (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation.

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STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Viscosity, kinematic	No data available
Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	May cause an allergic skin reaction.
Symptoms/effects after eye contact	Eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air Transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

MX400

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

Canada

No additional information available

EU-Regulations

No additional information available

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National regulations  
No additional information available

### 15.3. State regulations

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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

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according to Federal Register / Vol. 77, No. 58 /Monday, March 22, 2012 / Rules and Regulations

Full text of H-statements:

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

SDS US (GHS HazCom 2012)

*While the data and information obtained herein are presented in good faith and believed to be accurate, it is provided for your guidance only and it is the user's obligation to determine the conditions of safe use of the product. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products or information may be used without infringing the intellectual property rights of others. In no case shall the information or data provided be considered a part of our terms and conditions of sales. Further, you expressly understand and agree that the data and information furnished by Pro Chem and Dye hereunder are given gratis and Pro Chem and Dye assumes no obligation or liability for the data and information given or results obtained all such being given and accepted at your risk. END OF SAFETY DATA SHEET*

**SAFETY DATA SHEET**  
**MX402c, MX412, MX418, MX422, MX 426, MX435,**  
**MX4210, and MX4217**

ISSUE DATE: 3/2/21

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME.....MIXING BLUE MX 402C  
CHEMICAL FAMILY.....AZO  
T.S.C.A. STATUS.....COMPLIANCE  
RECOMMENDED PRODUCT USE...TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY  
SUPPLIED BY.....

PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724  
Phone: 508-676-3838

**Emergency Numbers:**

**800-255-3924 ChemTel. (United States)**  
**+ 1 01 813-248-0585 (Outside the United States)**

**2. HAZARDS IDENTIFICATION**

GHS Classification: Health Category 5-Oral Acute Toxicity

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H303: May be Harmful if Swallowed

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

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 + IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P331 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Proprietary Reactive Blue May be harmful if swallowed.

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

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.

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.

INGESTION ..... Dilute with water.. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

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, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIRE FIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away.

Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.



## **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 in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10).

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, 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. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER.....Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE .....POWDER  
COLOR ..... BLUE  
ODOR ..... NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... 100 g/l @ 60 C  
BULK DENSITY ..... 400 -600 kg/m<sup>3</sup>  
RELATIVE DENSITY .....NA  
VISCOSITY .....NA  
pH ..... 6.0 @ 80 g/l 20 C  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER .....ND  
BOILING POINT .....NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE .....NA  
FLAMMABILITY ..... NA  
FLASH POINT ..... NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE.... ND  
UEL .....NA  
LEL ..... NA  
%VOLATILE: VALUE: ND UNIT:% COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: None expected  
CHEMICAL STABILITY .....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID ..... Avoid dusting conditions and sparks/flare.  
REACTIVITY.... Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION) .....> 2000 mg/kg (RAT)  
FISH, LC50 .....> 100 mg/l (96 hour, Oncorhynchus mykiss)  
EYE EFFECTS ..... NON- IRRITANT (RABBIT)  
SKIN EFFECTS ..... NON-IRRITANT (RABBIT)  
SENSITIZATION ..... ND

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	ND	NTP:	ND	OSHA:	ND	ACGIH:	ND
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HMIS: 1100 E

### CHRONIC EFFECTS OF OVEREXPOSURE:

None Known. Reactive dyes may cause respiratory sensitization in some individuals.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 20 – 25%  
BACTERIA TOXICITY EC50: > 100 mg/l (activated sludge respiration test)  
AOX: 1.4%

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT:.....If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

### **15. REGULATORY DATA**

US REGULATIONS:

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	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product contains components currently on the California List of Known Carcinogens and reproductive Toxins

Formaldehyde (50-00-0) 90 ppm

### **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: March 27, 2017

MSDS Revised March 2, 2021

**SAFETY DATA SHEET**  
**MX406, MX404, MX4154, MX4201, and MX4205**

**SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE**

Product Name: Intense Blue MX 406  
Supplier: PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724  
Phone: 508-676-3838  
**Emergency Numbers:**  
**800-255-3924 ChemTel. (United States)**  
**+ 1 01 813-248-0585 (Outside the United States)**

Recommended Use of the Chemical and Restrictions on Use: For Industrial use only.

**SECTION 2 HAZARDS IDENTIFICATION**

GHS  
Pictogram(s)



Category 1 Sensitization, Skin  
Category 3 Single Target Organ Toxicity - Single Exposure

Signal Word: **WARNING**

Hazard Statements: H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

Precautionary Statements: **Prevention**

Avoid breathing dust, fumes, gas, mist, vapors, spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection, face protection. Use only outdoors or in a well-ventilated area.

**Response**

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

**Storage**

Keep in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose of contents and container in accordance with local, state and federal regulations.

Other Hazards Which do not Result in Classification:

Contact with the eye and skin may cause irritation. Ingestion may cause gastric disturbances. In the case of dusty organic products the possibility of dust explosion should always be considered.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component(s)</u>	<u>CAS</u>	<u>%</u>
Reactive Blue MX-G	Proprietary	Proprietary

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1910.1200 (i)

## **SECTION 4**

## **FIRST AID MEASURES**

- Inhalation: Remove person to fresh air immediately while getting immediate medical attention. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.
- Skin: Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.
- Ingestion: Never give anything by mouth or induce vomiting to an unconscious or convulsing person. Have victim drink plenty of water for dilution effect. Do NOT induce vomiting without medical advice. Seek immediate medical attention.
- Eye: Flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15 - 20 minutes. Get immediate medical attention.

Most Important Symptoms and Effects Both Acute and Delayed: See Section 2 and/or Section 11.

Indication of any Immediate Medical Attention and Special Treatment Needed: People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders should cease immediately.

## **SECTION 5**

## **FIRE FIGHTING MEASURES**

Extinguishing Media: Water spray, alcohol resistant foam or dry chemical.

Unsuitable Extinguishing Media: CO<sub>2</sub> and high volume water jet as this may scatter and spread fire.

Special Protective Equipment and Precautions for Firefighters: Firefighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool fire exposed containers. Move containers from fire area if you can do so without risk. Avoid inhalation of material or combustion by products. Stay upwind stay out of low areas.

Specific Hazards Arising from the Chemical: Like most materials in powder form, powder may be capable of creating dust explosions. Observe the usual precautionary measures required for chemicals with dust explosive properties. Decomposition can produce toxic and irritating fumes and gases of CO<sub>x</sub>, NO<sub>x</sub>, and SO<sub>x</sub>.

## **SECTION 6**

## **ACCIDENTAL RELEASE MEASURES**

Personal Precautions Protective Equipment and Emergency Procedures: Keep unnecessary and unprotected people away from area of spill. Cleanup personnel should wear appropriate protective clothing and equipment. Ensure proper ventilation spill site. Avoid formation and deposition of dust. Avoid inhalation of dust, vapors, mist and gas.

Environmental Precautions: Do not let spilled material enter floor drains, sewers or water sources or the environment.

Methods and Materials for Containment and Clean-up: Ensure proper ventilation. Collect spilled material, avoid generation and deposition of dust, and place in an appropriate waste disposal container. After clean-up is complete wash spill site. Do not allow material to enter floor drains, sewers or water sources of any kind.

## SAFETY DATA SHEET

### SECTION 7

### HANDLING AND STORAGE

Precautions for  
Safe Handling:

Use in a well ventilated area. Use necessary PPE's to prevent exposure by any route. Avoid inhalation and contact with skin and eyes. Keep container tightly closed. Keep away from food and drinks. Do not eat, drink, or smoke at work. Wash hands before breaks and at the end of workday. Good personal hygiene is a must. Eyewash fountain and quick drench shower should be available in the immediate work area.

Conditions for Safe  
Storage  
Including Incompatibilities:

Store in a cool, dry, well-ventilated place away from oxidizing and reducing agents. Keep container tightly closed. Store locked up. In filling operations take precautionary measures against static discharges. Avoid generation and deposition of dust.

### SECTION 8

### EXPOSURE CONTROLS PERSONAL PROTECTION

Exposure Limits:

In accordance with good industrial hygiene and safety practices. OSHA PEL Nuisance dust, Total dusts 15 mg/m<sup>3</sup>; ACGIH TLV: Particles not otherwise classified 10 mg/m<sup>3</sup>

Ventilation:

Ensure proper ventilation, local exhaust recommended. Ventilation equipment should be explosion proof.

Eye Protection:

Chemical safety goggles with side shields or tight fitting goggles.

Respiration:

If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29CFR1910.134.

Clothing:

Appropriate protective clothing, gloves, lab coat, apron or coveralls to prevent any contact.

NOTE:

Eyewash fountain and quick drench shower should be available in the immediate work area.

### SECTION 9

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Blue powder.

Odor / Odor threshold:

Slight odor.

pH:

Not available.

Evaporation Rate:

Not available.

Boiling Point/Range:

Not available.

Melting / Freezing Point:

Not available.

Vapor Pressure:

Not available.

Relative Density:

Not available.

Vapor Density:

Not available.

Partition Coefficient

n-octanol / water: Not available.

Solubility(ies): Water - Soluble.

Flammability(solid, gas): Not available.

UEL: Not available. LEL: Not available.

Flash Point: Not available.

Auto-ignition Temperature: Not available.

Decomposition Temperature: Not available.

Viscosity: Not available.

## SAFETY DATA SHEET

### SECTION 10

### STABILITY AND REACTIVITY

Reactivity:	Will not polymerize.
Chemical Stability:	Stable under proper conditions of storage and use.
Possibility of Hazardous Reactions:	In the case of dusty organic products the possibility of dust explosion should always be considered.
Hazardous Decomposition Products:	May include but are not limited to oxides of carbon, nitrogen and sulfur.
Incompatible Materials:	Keep away from oxidizing and reducing agents.
Conditions to Avoid:	Avoid humidity, and excessive temperatures. Avoid generation and deposition of dust.

### SECTION 11

### TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation: Yes    Skin Absorption: No    Ingestion: No    Skin: Yes    Eye: Yes
Toxicity:	Not available.
Acute and Chronic:	<b>Acute:</b> Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may cause gastric disturbances. <b>Chronic:</b> To the best of our knowledge there are no known chronic effects associated with this material.
Symptoms of Overexposure:	Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. Individuals who have shown an allergic reaction to this product must not continue to be exposed. Physiologic effects may progress to shock, cardiovascular collapse and death.
Sensitization:	Repeated exposure to high dust concentration of some reactive dyestuffs may cause respiratory hypersensitivity.
Single Target Organ Toxicity - Single Exposure - Respiratory System	
Single Target Organ Toxicity - Repeated Exposure - Not known.	
Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure:	Although respiratory sensitization has not been observed with this product, dyestuffs are known to have caused this in certain people. Similar analogues of the reduction product, 2-nitro-para phenylenediamine, may have potential concerns for carcinogenicity, mutagenicity, blood toxicity, developmental toxicity and neurotoxicity. In addition, there are potential concerns for carcinogenicity, mutagenicity, developmental toxicity and sensitization from the vinyl sulfone that is formed in the dye bath. NIOSH approved respirators should be used by workers who may be exposed to dust or aerosols containing reactive dyes.
Carcinogen Status:	IARC: No    NTP: No    OSHA: No
NOTE:	Persons with any pre-existing skin, eye or respiratory conditions may be more susceptible to the effects of this product.

## **SAFETY DATA SHEET**

### **SECTION 12**

### **ECOLOGICAL INFORMATION**

Eco-toxicity: Not available.

Persistence and  
Degradability: Not available.

Soil Mobility: Not available.

Bio-Accumulative Potential: Not available.

Other Adverse Effects: Not available.

### **SECTION 13**

### **DISPOSAL CONSIDERATIONS**

Disposal: Dispose of contents and container in accordance with local, regional, national, and international regulations.

Un-Cleaned Packaging: Soiled empty containers are to be treated in the same way as the contents.

### **SECTION 14**

### **TRANSPORTATION INFORMATION**

D.O.T.: Not Regulated.

I.A.T.A.: Not Regulated.

Marine Pollutant: No

I.M.D.G.: Not Regulated.

### **SECTION 15**

### **REGULATORY INFORMATION**

TSCA Inventory Status: Listed.

SARA 311/3 12: Acute Health Hazard

### **SECTION 16**

### **OTHER INFORMATION**

Date Prepared: Date January 6, 2017 GHS Formatting

While the data and information obtained herein are presented in good faith and believed to be accurate, it is provided for your guidance only and it is the user's obligation to determine the conditions of safe use of the product. Because many factors may *affect* processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products or information may be used without infringing the intellectual property rights of others. In no case shall the information or data provided be considered a part of our terms and conditions of sales. Further, you expressly understand and agree that the data and information furnished by this company hereunder are given gratis and this company assumes no obligation or liability for the data and information given or results obtained all such being given and accepted at your risk. END OF SAFETY DATA SHEET



# MX Turquoise 410, MX 4143 and MX 4181

## Safety Data Sheet

according to Federal Register/ Vol. 77, NO. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 8/12/2022 Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Substance name MX Turquoise 410

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture For industrial use only

#### 1.3. Supplier

PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724  
1-800-228-9393  
www.prochemicalanddye.com

#### 1.4. Emergency Telephone Number

Emergency number 800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Acute toxicity (oral), Category 4  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2  
Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Full text of H statements: see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)

Warning

Hazard statements (GHS US)

H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

Precautionary statements (GHS US)

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301 +P312 - If swallowed: Call a poison center or doctor if you feel unwell.  
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.  
P312 - Call a poison center or doctor if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

# MX Turquoise 410, MX 4143 and MX 4181 Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## 2.3. Other hazards which do not result in classification

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

Not applicable

## **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Name	Product identifier	%	GHS US classification
MX Turquoise 410 (Main constituent)	Proprietary	100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of hazard classes and H-statements: see section 16

### 3.2. Mixtures

Not applicable

## **SECTION 4: First-aid measures**

### 4.1. Description of first aid measures

First-aid m First-aid measures general	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	Irritation.
Symptoms/effects after eye contact	Eye irritation.

### 4.3. Immediate medical attention and special treatment if necessary

Treat symptomatically.

## **SECTION 5: Fire-fighting measures**

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam.
------------------------------	--------------------------------

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	Toxic fumes may be released.
--	------------------------------

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
--------------------------------	--

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
----------------------	--

#### 6.1.2. For emergency responders

Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
----------------------	---

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Mechanically recover the product.
-------------------------	-----------------------------------

# MX Turquoise 410, MX 4143 and MX 4181 Safety Data Sheet

according to Federal Register/ Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information

Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling

Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

MX Turquoise 410

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

Environmental exposure controls

Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state

Solid

Color

No data available

Odor

No data available

Odor threshold

No data available

pH

6 – 7

Melting point

No data available

Freezing point

Not applicable

Boiling point

No data available

Flash point

Not applicable

# MX Turquoise 410, MX 4143 and MX 4181 Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2\_012 / Rules and Regulations

Relative evaporation rate (butylacetate= 1)	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive limits	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available

## 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological

Acute toxicity (oral)	Harmful if swallowed.
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

MX Turquoise 410	
LD50 oral rat	> 2000
ATE US (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	Causes skin irritation. pH: 6-7
Serious eye damage/irritation	Causes serious eye irritation. pH: 6-7
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified

# MX Turquoise 410, MX 4143 and MX 4181 Safety Data Sheet

according to Federal Register/ Vol. 77, No. 58 / Monday, March 26,2012/ Rules and Regulations

Aspiration hazard	Not classified
Viscosity, kinematic	No data available
Symptoms/effects after inhalation	May cause-respiratory irritation.
Symptoms/effects after skin contact	Irritation.
Symptoms/effects after eye contact	Eye irritation.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecology - general                      The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### **12.2. Persistence and degradability**

No additional information available

### **12.3. Bioaccumulative potential**

No additional information available

### **12.4. Mobility in soil**

No additional information available

### **12.5. Other adverse effects**

No additional information available

## **SECTION 13: Disposal considerations**

### **13.1. Disposal methods**

Waste treatment methods                      Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

Department of Transportation (DOT) In  
accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

## **SECTION 15: Regulatory information**

### **15.1. US Federal regulations**

<b>MX Turquoise 410</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Health hazard -Acute toxicity (any route of exposure)

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### **15.2. International regulations**

#### **CANADA**

No additional information available

#### **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

# MX Turquoise 410, MX 4143 and MX 4181 Safety Data Sheet

according to Federal Register / Vol. 77, NO. 58 /Monday, March 26, 2012/ Rules and Regulations

## 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## **SECTION 16: Other information**

according to Federal Register/ Vol. 77, No. 58 / Monday, March 26, 2012/ Rules and Regulations

Full text of H-statements:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

SDS US (GHS HazCom 2012)

*While the data and information obtained herein are presented in good faith and believed to be accurate, it is provided for your guidance only and it is the user's obligation to determine the conditions of safe use of the product. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products or information may be used without infringing the intellectual property rights of others. In no case shall the information or data provided be considered a part of our terms and conditions of sales. Further, you expressly understand and agree that the data and information furnished by Quality Colors LLC hereunder are given gratis and Pro Chemical and Dye assumes no obligation or liability for the data and information given or results obtained all such being given and accepted at your risk. END OF SAFETY DATA SHEET*

1.

## SAFETY DATA SHEET

### Deep Navy MX 414

#### SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME----- DEEP NAVY MX 414

Supplier PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724

Emergency Telephone Numbers:  
800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

#### SECTION 2: HAZARD IDENTIFICATION

Classification:

Skin corrosion/irritation-----Category 2

Serious eye damage /eye irritation-----Category 2

#### EMERGENCY OVERVIEW

signal word  
WARNING

Hazard statements: H315 - Causes skin irritation  
H319 - Causes serious eye irritation



Appearance: Powder      Physical State: Powder      Odor: None

#### Precautionary statements

P310 - Immediately call a POISON CENTER or doctor/physician  
P302+ P352 -IF ON SKIN: Wash with plenty of soap and water  
P321- Specific treatment (see supplemental first aid instructions on this label)  
P332+ P313 -if skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 +P351 +P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 +P313 - If eye irritation persists: Get medical advice/attention

Hazards Not Otherwise Classified (UNOC)

#### OTHER INFORMATION

Unknown Acute Toxicity

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	DEEP NAVY MX414
C. A. S.#	72847-57-5

#### SECTION 4: FIRST AID MEASURES

First aid measures for different exposure routes.

EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.

SKIN: WASH WITH MILD SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF CLOTHING IS CONTAMINATED, REMOVE AND WASH BEFORE RE-USE.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

INGESTION: RINSE MOUTH. GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION. IF UNCONSCIOUS, DO NOT GIVE ANYTHING TO DRINK. GET IMMEDIATE MEDICAL ATTENTION.

#### SECTION 5: FIRE FIGHTING MEASURES

IN CASE OF FIRE----- KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND, OUT OF LOW AREAS, AND VENTILATE CLOSED SPACES BEFORE ENTERING.

FIRE FIGHTING PROCEDURE-----DRY CHEMICAL, CO2, WATER SPRAY OR REGULAR FOAM. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT.

FIRE FIGHTING EQUIPMENT----USE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES.

#### SECTION 6: ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

STEPS TO BE TAKEN---- DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIALS AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. SCRUB SPILL AREA WITH DETERGENT, FLUSH WITH COPIOUS AMOUNT OF WATER.

WASTE DISPOSAL METHOD----BURY OR INCINERATE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

CONTAINER REUSE METHOD----CONTAINERS SHOULD NOT BE REUSED WITHOUT PROFESSIONAL CLEANING AND CONDITIONING.

#### SECTION 7: HANDLING AND STORAGE

NO SPECIAL PRECAUTIONS ANTICIPATED. WEAR ALL PROPER PERSONAL PROTECTION EQUIPMENT AS OUTLINED IN SECTION VIII AND AVOID PHYSICAL CONTACT WITH MATERIAL.



## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY ---- NIOSH APPROVED DUST RESPIRATOR WHEN NEEDED.

SKIN----- ALWAYS WEAR IMPERVIOUS GLOVES AND APPROPRIATE EQUIPMENT TO PREVENT PROBABILITY OF PERSONAL CONTACT.

EYES---- WEAR SIDE-SHIELD SAFETY GLASSES.

VENTILATION---- LOCAL EXHAUST SHOULD BE USED TO MAINTAIN EXPOSURE LIMITS AND TO DRAW SPRAY, AEROSOL, VAPORS OR DUSTS A WA Y FROM WORKERS AND PREVENT ROUTINE INHALATION.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE—N/A	ODOR---NONE
VAPOR DENSITY---N/A	APPEARANCE--POWDER
VOLATILITY--- N/A	SPECIFIC GRAV-- N/A
FREEZE POINT--- N/A	EVAP. RATE--- N/A
MELTING POINT---N/A	pH OF PRODUCT-N/A
BOILING POINT--N/A	
FLAMMABLE LIMITS—N/A	

## SECTION 10: STABILITY AND REACTIVITY

STABILITY ----- STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID----- NONE KNOWN

INCOMPATIBLE MATERIALS--UNKNOWN

HAZARDOUS DECOMPOSITION PRODUCTS---BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN, AND OTHER POTENATIALLY TOXIC FUMES.

HAZARDOUS POL YMERIZATION----- WILL NOT UNDERGO POLYMERIZATION.

CONDITIONS TO AVOID---NONE KNOWN

## SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD50 (RAT)	NO DATA CURRENTLY AVAILABLE
DERMAL LD50	NO DATA CURRENTLY AVAILABLE
EYE EFFECTS (RABBIT)	NO DATA CURRENTLY AVAILABLE
SKIN EFFECTS (RABBIT)	NO DATA CURRENTLY AVAILABLE
MUTAGENICITY	NO DATA CURRENTLY AVAILABLE
INHALATION LC50	NO DATA CURRENTLY AVAILABLE
SKIN SENSITIZATION (GUINEA PIG)	NO DATA CURRENTLY AVAILABLE
RESPIRATORY SENSITIZATION	NO DATA CURRENTLY AVAILABLE
ADDITIONAL TOXICITY DATA	NO DATA CURRENTLY AVAILABLE
SUPPLEMENTAL TEST DATA	NO DATA CURRENTLY AVAILABLE
OTHER DATA	NO DATA CURRENTLY AVAILABLE

## SECTION 12: ECOLOGICAL DATA

BOD	NO DATA CURRENTLY AVAILABLE
COD	NO DATA CURRENTLY AVAILABLE
AQUATIC TOXICITY	NO DATA CURRENTLY AVAILABLE
BIODEGRADABILITY	NO DATA CURRENTLY AVAILABLE
PERSISTENCE	NO DATA CURRENTLY AVAILABLE
SEWAGE TREATMENT	NO DATA CURRENTLY AVAILABLE
OTHER DATA	NO DATA CURRENTLY AVAILABLE
SUPPLEMENTAL TEST DATA	NO DATA CURRENTLY AVAILABLE

### Ecotoxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Toxicity to Algae no data available

Toxicity to Fish no data available

Toxicity to daphnia and other aquatic invertebrates

Persistence and Degradability  
Bioaccumulation  
Other Adverse Effects

No information available.  
No information available.  
No information available

#### SECTION 13: DISPOSAL AND ENVIRONMENTAL CONSIDERATION

##### Waste treatment

Waste Disposal Methods 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: SHIPPING AND TRANSPORTATION INFORMATION

DOT REGULATION GROUND--NOTREGULATED  
IATA REGULATION (AIR)--NOT REGULATED  
IMDG/IMO REGULATION (WATER --NOT REGULATED

DOT HAZARD CLASS----NON-HAZARDOUS  
DOT CLASSIFICATION----NON-HAZARDOUS MATERIAL  
COMMODITY CLASS----INK MATERIAL

#### SECTION 15: REGULATORY INFORMATION

##### REGULATORY LIST REFERENCE:

NOTE: WHEN NO COMPONENTS ARE SHOWN IN SPACE ABOVE THIS NOTE, NO FEDERAL OR STATE REPORTING REQUIREMENTS APPLY TO THIS PRODUCT. WHEN COMPONENTS ARE LISTED ABOVE, LIST NUMBERS SHOWN BELOW INDICATE APPLICABLE REGULATIONS.

##### LIST NUMBERS

- 1 ACCIDENTAL RELEASE SUBSTANCE
- 2 CERCLA 304 HAZARDOUS SUBSTANCE (RQ)
- 3 RESERVED
- 4 CLEAN AIR ACT-SEC.III VOLATILE ORGANIC COMPOUNDS
- 5 CLEAN AIR ACT-SEC. 112 HAZ. AIR POLLUTANT (HAP,HAP CODE)
- 6 CLEAN AIR ACT-OZONE DEPLETING CHEMICAL(ODC)
- 7 CLEAN WATER ACT-RQ
- 8 CLEAN WATER ACT-PRIORITY POLLUTANT (PP)RQ
- 9 MARINE POLLUTANT (MP)
- 10 PSM HIGHLY HAZARDOUS CHEMICAL
- 11 RCRA HAZARDOUS WASTE (RCRA C06E)
- 12 SARA 302 EXTREMELY HAZARDOUS SUBSTANCE (EHS)(RQ)
- 13 SARA 313 TOXIC RELEASE INVENTORY (TRJ)(TR CONC, TR THRESHOLD)
- 14 SOCM I CHEMICAL (CAA)
- 15 STATE LISTS  
CA-CALIFORNIA PROPOSITION 65, DE-DELAWARE, ID-IDAHO, ME-MAINE, MA-MASSACHUSETTS,  
MI-MICHIGAN, MN-MINNESOTA, NJ-RTK NEW JERSEY HAZARDOUS SUBSTANCE LIST, NJ- TCPA NEW  
JERSEY EXTREMELY HAZARDOUS  
SUBSTANCE LIST, NY -NEW YORK, PA-PENNSYLVANIA, WA- WASHINGTON, WV - WEST VIRGINIA,  
WI-WISCONSIN
- 16 SUPPLEMENTAL REGULATORY INFORMATION (SRI)

T.S.C.A---- IN COMPLIANCE

O.S.H.A. HAZARD CLASSIFICATION: NON HAZARDOUS

##### SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE/ACUTE HEALTH HAZARD: NO  
CHRONIC/ DELAYED HAZARD: NO

FLAMMABLE: NO  
REACTIVITY HAZARD: NO  
OXIDIZER: NO

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

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 302) 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

California Proposition 65

This product does not contain any Proposition 65 chemicals

SECTION 16: OTHER INFORMATION

LAST REVISION DATE.

01/31/2019

HMIS RATINGS:

HEALTH: 1                      Flammability: 1      Physical Hazard: 0      PERSONAL PROTECTION: F

DISCLAIMER:

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 AND SUPERSEDES ANY PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID AND INAPPLICABLE.

END OF SDS

1.

## SAFETY DATA SHEET

### Simply Navy MX 420

ISSUE DATE: 4/6/17

#### 1. PRODUCT IDENTIFICATION

PRODUCT NAME .....SIMPLY NAVY MX 420  
CHEMICAL FAMILY .....AZO  
T.S.C.A. STATUS .....COMPLIANCE  
RECOMMENDED PRODUCT USE TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE FOR INDUSTRIAL USE ONLY  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724  
PHONE: 508-676-3838

Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)

+ 1 01 813-248-0585 (Outside the United States)

#### 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 5-Oral Acute Toxicity

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H303: May be Harmful if Swallowed

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Proprietary Reactive Blue      May be harmful if swallowed.

The exact ingredient percentages and composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

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.

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.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

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, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

#### INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### 5. FIREFIGHTING MEASURES

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

#### SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ... Avoid dusting conditions. May form explosive dust mixtures with air.

### 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 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 in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, 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. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER

COLOR ..... BLUE

ODOR ..... NONE

ODOR THRESHOLD ..... NA

SOLUBILITY IN WATER .... 100 g/l @ 60°C

BULK DENSITY ..... 400-600 kg/m<sup>3</sup>

RELATIVE DENSITY ..... NA

VISCOSITY ..... NA

pH ..... 6.0 @ 80 g/l 20°C

MELTING POINT/FREEZING POINT .NA

PARTITION COEFFICIENT: N-OCTANOL/WATER .....ND

BOILING POINT ..... NA

VAPOR PRESSURE ..... NA

VAPOR DENSITY ..... NA

EVAPORATION RATE ..... NA

FLAMMABILITY ..... NA

FLASH POINT ..... NA

IGNITION TEMP ..... NA

DECOMPOSITION TEMPERATURE .... ND

UEL .....NA

LEL ..... NA

%VOLATILE: VALUE: ND

UNIT: %

COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: None expected  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS:.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID .....Avoid dusting conditions and sparks/flare.  
REACTIVITY.... Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD<sub>50</sub> (INGESTION) ...> 2000 mg/kg (RAT)  
FISH, LC<sub>50</sub> .....> 100 mg/l (96 hour, *Oncorhynchus mykiss*)  
EYE EFFECTS ..... NON-IRRITANT (RABBIT)  
SKIN EFFECTS ..... NON-IRRITANT (RABBIT)  
SENSITIZATION ..... ND

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	ND	NTP:	ND	OSHA:	ND	ACGIH:	ND
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HMIS: 1100 E

### CHRONIC EFFECTS OF OVEREXPOSURE:

None Known. Reactive dyes may cause respiratory sensitization in some individuals.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: 20 – 25%  
BACTERIA TOXICITY EC<sub>50</sub>: > 100 mg/l (activated sludge respiration test)  
AOX: 1.31%

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: .... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

### **15. REGULATORY DATA**

US REGULATIONS:

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	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product contains components currently on the California List of Known Carcinogens and reproductive Toxins

Formaldehyde (50-00-0) 11 ppm

### **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

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