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## SAFETY DATA SHEET

**MX104, 010, 011, 111, 115, 1230, and 1231**

### SECTION 1

### IDENTIFICATION OF SUBSTANCE/MIXTURE

Product Name: MX104, 010, 011, 111, 115, 1230, and 1231

Supplier: PRO Chemical & Dye  
126 Shove Street  
Fall River, MA 02724  
Phone: 508-676-3838  
Fax: 508-676-3980

EMERGENCY CONTACT:  
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 I 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 Contact with the eye and skin may cause irritation. Ingestion may cause gastric not Result in Classification disturbances. In the case of dusty organic products the possibility of dust explosion should always be considered.

### SECTION 3

### COMPOSITION/INFORMATION ON INGREDIENTS

Component(s):

Yellow MX-3R

CAS:  
Proprietary

%:  
Proprietary

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR 1919.1200 (i)

# SAFETY DATA SHEET

## 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 COx, NOx, and SOx.

## 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.

## SAFETY DATA SHEET

Methods and Materials for Containment and Cleaning-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.

### 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 TL V: 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:	Orange 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	Not available.
n-octanol / water:	
Solubility(ies):	Water - Soluble.
Flammability(solid, gas):	Not available.
Flash Point: Not available.	UEL: Not available. LEL: Not available.

## SAFETY DATA SHEET

Autoignition Temperature: Not available.  
Decomposition Temperature: Not available.  
Viscosity: Not available.

### 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: **Acute:** Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may cause gastric disturbances.  
**Chronic:** 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**

SARA 311/312: Acute Health Hazard

## **SECTION 16**

## **OTHER INFORMATION**

Date Prepared: December 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

**SECTION 1**

**IDENTIFICATION OF SUBSTANCE/MIXTURE**

Product Name: MX 108 Sun Yellow

Supplier:	PRO Chemical & Dye	EMERGENCY CONTACT
:	126 Shove Street	
	Fall River, MA 02724	800-255-3924 ChemTel. (United States)
	Phone: 508-676-3838	+ 1 01 813-248-0585 (Outside 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 Contact with the eye and skin may cause irritation. Ingestion may cause gastric not Result in Classification 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>
Yellow MX-8G	Proprietary	Proprietary

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1919.1200 (i)

# SAFETY DATA SHEET

## 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.



## SAFETY DATA SHEET

Methods and Materials for Containment and Cleaning-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.

### 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>: ACGTH 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 29CFR 1910.134.

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: Yellow 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.



## SAFETY DATA SHEET

Autoignition Temperature: Not available.  
Decomposition Temperature: Not available.  
Viscosity: Not available.

### 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: **Acute:** Contact with the eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may cause gastric disturbances.  
**Chronic:** 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.

LA.T.A.: Not Regulated.

Marine Pollutant: No

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

## SECTION 15

## REGULATORY INFORMATION

SARA 311/312: Acute Health Hazard

## SECTION 16

## OTHER INFORMATION

Date Prepared: December 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

**SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME----- Tangerine MX 112

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 (HNOC)**

**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            REACTIVE YELLOW 7  
C. A. S .#                12226-46-9

### 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 OCCUR 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 EQUIPMENTAS OUTLINED IN SECTION VIII AND AVOID PHISICAL 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 AWAY 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 POTENTIALLY TOXIC FUMES.  
HAZARDOUS POLYMERIZATION----- 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

No information available.

#### Bioaccumulation

No information available.

#### Other Adverse Effects

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)—NOT REGULATED  
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.111 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 CODE)
- 12 SARA 302 EXTREMELY HAZARDOUS SUBSTANCE (EHS)(RQ)
- 13 SARA 313 TOXIC RELEASE INVENTORY (TRI)(TR CONC, TR THRESHOLD)
- 14 SOCFI 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. 01/20/2014

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 SUPSEDES ANY PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID AND INAPPLICABLE.

END OF MSDS.





## SAFETY DATA SHEET

**MX114, MX101, MX1202,  
MX1203 and MX1229**

### **1.00 PRODUCT NAME** MX 114 LEMON YELLOW

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)

### **2.00 COMPOSITION / INFORMATION ON COMPONENTS**

2.01 Chemical characterization: Synthetic Organic Dyestuff  
2.02 Ingredients contributing to danger: None Known

### **3.00 IDENTIFICATION OF THE DANGERS**

3.01 Principal dangers: None known under conditions of normal use.  
3.02 Specific Risk: None known  
3.03 Physical and Chemical Danger: None known under condition of normal use.

### **4.00 FIRST AID**

4.01 In case of Inhalation : Remove to Fresh Air and consult physician.  
In case of eye contact : Wash with water for 15-20 minutes and consult physician.  
In case of skin contact : Wash thoroughly with soap and water, remove contaminated clothing.  
In case of ingestion: Get medical attention.  
4.02 Note to Physician: None

### **5.00 FIRE FIGHTING**

5.01 Suitable fire extinguishing media: Water: ✓  
Dry Chemical Powder Foam: ✓  
Carbon Dioxide : ✓  
5.02 Extinguishing media not to be used: Water jet under pressure.  
5.03 Special fire fighting procedures: Usual precautions for organic chemicals to be observed.

### **6.00 ACCIDENTAL RELEASE**

6.01 Personal Precautions: Avoid dust inhalation.  
6.02 Environmental (staining or other properties) : Stains like all dyestuffs.  
6.03 Methods of cleaning : By Mechanical means :  
: By using Water :  
: By using absorbent material :

## **7.00 HANDLING AND STORAGE**

7.01 Storage condition: Ambient.

Limits of temp. C° :

7.02 Handling precautions:

Ventilation : Required: ✓ Not required :

Fire Prevention Measures : Keep away from heat, flame, oxidizing and reducing materials.

Avoid formation of dust clouds.

Handling Measures: Wear Chemical Goggles, gloves and dust respirator.

Container type and sealing: In original containers - keep tightly closed.

## **8.00 PERSONAL PROTECTION**

8.01 Respiratory protection: Approved Dust Respirator (Avoid inhalation of dust)

8.02 Hand Protection: Gloves

8.03 Eye Protection: Chemical Goggles, Face Shield.

8.04 Skin Protection: Cotton apron, Gum Boot.

## **9.00 PHYSICAL AND CHEMICAL PROPERTIES**

9.01 Form: Powder

9.02 Color: YELLOW COLOR IN POWDER FORM

9.03 Odor : Odorless

9.04 B.P. at 760 mm Hg : N.A.

9.05 M.P. / F.P. at 760 mm Hg: Decomposes at 120 -140 ° C

9.06 Flash point °C (Open Cup) : N.A.

9.07 Auto Ignition Temp °C : N.A.

9.08 Explosive Properties: N.A.

9.09 pH (as 1.0% solution/suspension) : 7.05

9.10 Specific Gravity: N.E.

9.11 Bulk Density (g/cc) : Loose N.A. : Settled: N.A.

9.12 Viscosity (at °C) : poise: N.E.

9.13 Solubility in water at 20°C : Soluble

## **10.0 STABILITY AND REACTIVITY**

10.1 Chemical Stability: Stable : ✓ ,Unstable:

10.2 Hazardous Decomposition

Products: N.A.

## **11.0 TOXICOLOGICAL INFORMATION**

11.1 Acute oral toxicity (LD50) : N.E.

11.2 Skin irritation: N.E.

11.3 Eye Irritation: N.E.

## **12.0 ECOLOGICAL INFORMATION**

12.1 Mobility

Possible environmental distribution: By Air: , By Water:

12.2 Ecological Data

BOD5 :N.E.

COD :N.E.

12.3 Fish Toxicity data LD50 : N.E.

Test Species: N.E.

Testing Time: N.E.

12.4 Biological Elimination: N.E

12.5 Inhibition of Activity of waste bacteria: N.E>

### **13.0 ELIMINATION - WASTE DISPOSAL**

13.1 Recommended methods of disposal: In accordance with Federal/State/Local Environmental control regulations.

### **14.0 TRANSPORT**

14.1 Whether Classified according to transport regulation for hazardous goods: N.A.

14.2 Applicable transport information:

IMDG Code:	IMDG Page No. :
Marine Pollutant:	UN Number:
ICAO/IA TA :	ADR / Customs Tariff No. :
Transport Symbol:	Packing Group
Trem Card No. :	

### **15.0 HAZARD LABELLING**

15.1 Applicable Hazard Symbols: N.A.

15.2 Applicable safety phrases:

S 22 :	do not breathe dust :
S 24 :	avoid contact with skin :
S 26/37/39 :	wear suitable protective clothing, gloves and eye/face protection.

15.4 Intended use of the product: For industrial use only. 16.0 LIMITATION OF RESPONSIBILITY

15.4 Intended use of the product: For industrial use only.

### **16.0 LIMITATION OF RESPONSIBILITY**

16.1 Recipients must assess for themselves the risk at the workplace as required by local state regulations.

16.2 The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

16.3 The information contained herein is based on the present state of our knowledge and is intended to describe our products from the view of safety requirements. It should not therefore, be constructed as guarantying specific properties.

16.4 This company makes no warranties, express or implied, as to the accuracy or adequate of the information contained herein. Liability to the vendee, the vendee's employees or any direct special or consequential damage arising out or in connection with accuracy, adequate or furnishing of such information is not undertaken by us.

16.5 This company assumes no legal responsibility for use of reliance upon these data.

NOTE:           1. N.A. – Not Applicable  
                  2. N.E. – Not Evaluated