



Rupert, Gibbon & Spider, Inc.
1147 Healdsburg Avenue
Healdsburg, CA 95448
Tel: 800-442-0455
Email: service@jacquardproducts.com

Safety Data Sheet (SDS)

1. Substance/preparation and company identification

Revised Date : 5/6/2015
Product : Procion MX Dye 004 Lemon Yellow
C. I. Name : Reactive Yellow 86
Synonyms : Not available
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

Company: Rupert, Gibbon & Spider, Inc., 1147 Healdsburg Avenue, Healdsburg, CA 95448
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Emergency Contact Number: CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300
International CHEMTREC, call 1-707-527-3887.
For non-emergency assistance, call: 1-800-442-0455

2. Hazard identification Symptoms relating to use

Inhalation : May cause sensitization by inhalation.
Skin contact : Not expected to present a significant Hazard under anticipated conditions of normal skin use.
Eye contact : Not expected to present significant eye contact Hazard under anticipated conditions of normal use
Ingestion : Not expected to present a significant ingestion Hazard under anticipated conditions of normal use

3. Composition/information on ingredients

Product : Procion MX Dye 004 Lemon Yellow
C. I. Name : Reactive Yellow 86
Substance name C.A.S. No. : 61951-86-8

4. First-aid measures

Inhalation : Remove to fresh air
Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water and rinse.
Eye contact : After contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Treat symptomatically

5. Fire-fighting measures

Extinguishing media : Water, spray, dry chemical, CO₂, foam
Special Exposure Hazards : High temperature may liberate toxic gases when mixed with and exposed to an ignition source, dust may burn in the open or explode if confined.
Protection against Fire : Wear proper protective equipment

6. Accidental release measures

Personal precautions : Wear suitable protective clothing and gloves. Avoid dust formation.
Environmental precautions : Comply with local regulations for disposal notify authorities if product enters sewers or public waters. Avoid (reject) fire fighting water to enter environment.

7. Handling and storage



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Storage : Keep away from heat, keep container tightly closed when not in use.
Handling : Handle in accordance with good industrial Hygiene and safety procedures.
Avoid all unnecessary exposure.



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8. Exposure controls and personal protection

Respiratory protection : Approved dust or mist respirator should be used if airborne particulate is generated when handling this material
Skin protection : Gloves
Eye Protection : Safety glasses with side-shields (frame goggles)
Ignition : When using, do not eat, drink or smoke
Industrial hygiene : Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor or dust moisture.

Due to the coloring properties of the product closed work clothes should be used, to avoid stains during manipulation

9. Physical and chemical properties

Product : Procion MX Dye 004 Lemon Yellow
C. I. Name : Reactive Yellow 86
CAS No. : 61951-86-8
Chemical family : Reactive Dyes
Appearance : Yellow to Dark Brown powder
Physical state : Powder
Odor : Odorless
PH Value : (4.5 – 6.5)
Initial boiling point (°c) : No data available
Density (Kg / m³) : 600 – 800
Vapor Pressure (hpa) : Not applicable
Solubility in water (g/l) : > 100 g/l (25°c)
Flash point (°c) : Not applicable
Auto ignition Temperature (°c) : No data available
Explosion limits- Lower (%) : No data available
Explosion limits – Upper (%) : No data available

10. Stability and reactivity

Hazardous Decomposition : On exposure to high temperature, may decompose, releasing toxic vapors
Hazardous Reactions : Stable
Hazardous Properties : None under normal conditions
Materials to avoid : Strong reducing agents, Oxidizing agent

11. Toxicological information

Rat Oral LD 50 (mg/kg) : > 5000
Rabbit Dermal LD 50 (mg/kg) : No data available
Rat Inhalation LC 50 (mg/l/4h) : No data available
Dermal Irritation (rabbit) : not an irritant
Eyes irritation : Slightly irritant
Mutagenic effects : No mutagenic effects reported.
Corrosivity : None.

12. Ecological information

L. ides LC 50 (mg/l)	: 1000 – 48h
WGK class (Germany)	: No data available
Biodegradation (%)	: No data available
AOX	: 0

13. Disposal considerations

Disposal : Dispose in a safe manner in accordance with local / national regulations.
Completely empty contents of drums before discarding.

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations
The product does not require a hazard warning label in accordance with EC Directives.

16. Other information

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

Rupert, Gibbon & Spider, Inc. 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. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.



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Safety Data Sheet (SDS)

1. Substance/preparation and company identification

Revised Date : 5/6/2015
Product : Procion MX Dye 034 Magenta
C. I. Name : Reactive Red 2
Synonyms : Not available
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

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2. Hazard identification Symptoms relating to use

Inhalation : May cause sensitization by inhalation. Skin
contact : Not expected to present a significant
Hazard under anticipated conditions of
normal skin use.
Eye contact : Not expected to present significant eye contact
Hazard under anticipated conditions of normal use
Ingestion : Not expected to present a significant ingestion
Hazard under anticipated conditions of normal use

3. Composition/information on ingredients

Product : Procion MX Dye 034 Magenta
C. I. Name : Reactive Red 2
Substance name C.A.S. No. : 17804 - 49 - 8

4. First-aid measures

Inhalation : Remove to fresh air
Skin contact : Remove affected clothing and wash all exposed skin area
with mild soap and water, followed by warm water and rinse.
Eye contact : After contact with eyes, rinse immediately with plenty of water & seek medical advice
Ingestion : Treat symptomatically

5. Fire-fighting measures

Extinguishing media : Water, spray, dry chemical, CO2, foam
Special Exposure Hazards : High temperature may liberate toxic gases when mixed with and
exposed to an ignition source, dust may burn in the open or explode if confined.
Protection against Fire : Wear proper protective equipment

6. Accidental release measures

Personal precautions : Wear suitable protective clothing and gloves. Avoid dust formation.
Environmental precautions : Comply with local regulations for disposal notify authorities if product enters sewers or
public waters. Avoid (reject) fire fighting water to enter environment.
After spillage / Leakage : Sweep or shovel spills into appropriate container for disposal.

7. Handling and storage

Storage : Keep away from heat, keep container tightly closed when not in use.



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Handling : Handle in accordance with good industrial Hygiene & safety procedures.
Avoid all unnecessary exposure.



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8. Exposure controls and personal protection

- Respiratory protection : Approved dust or mist respirator should be used if airborne particulate is generated when handling this material
- Skin protection : Gloves
- Eye Protection : Safety glasses with side-shields (frame goggles)
- Ignition : When using, do not eat, drink or smoke
- Industrial hygiene : Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor or dust moisture.

Due to the coloring properties of the product closed work clothes should be used, to avoid stains during manipulation.

9. Physical and chemical properties

- Product : Procion MX Dye 034
Magenta
- C. I. Name : Red 2
- Chemical family : Reactive Dyes
- Appearance : Dark Red powder
- Odor : Odorless
- PH Value : (4.5 – 6.5)
- Initial boiling point (°c) : No data available
- Density (Kg / m³) : 600 – 800
- Vapor Pressure (hpa) : Not applicable
- Solubility in water (g/l) : > 100 g/l (25°c)
- Flash point (°c) : Not applicable
- Auto ignition Temperature (°c) : No data available
- Explosion limits- Lower (%) : No data available
- Explosion limits – Upper (%) : No data available

10. Stability and reactivity

- Hazardous Decomposition : On exposure to high temperature, may decompose, releasing toxic vapors
- Hazardous Reactions : Stable
- Hazardous Properties : None under normal conditions
- Materials to avoid : Strong reducing agents, Oxidizing agent

11. Toxicological information

- Rat Oral LD 50 (mg/kg) : > 5000
- Rabbit Dermal LD 50 (mg/kg) : No data available
- Rat Inhalation LC 50 (mg/l/4h) : No data available
- Mutagenic effects : No mutagenic effects reported.
- Dermal Irritation (rabbit) : not an irritant
- Eyes irritation : Slightly irritant

12. Ecological information

- L. ides LC 50 (mg/l) : 1000 – 48h
- WGK class (Germany) : No data available
- Biodegradation (%) : No data available
- AOX : 0



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13. Disposal considerations

Disposal : Dispose in a safe manner in accordance with local / national regulations.
Completely empty contents of drums before discarding.

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations
The product does not require a hazard warning label in accordance with EC Directives.

16. Other information

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

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Safety Data Sheet (SDS)

1. Substance/preparation and company identification

Revised Date : 5/6/2015
Product : Procion MX Dye 068 Turquoise
C. I. Name : Reactive Blue 140
Synonyms : Not available
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

Company: Rupert, Gibbon & Spider, Inc., 1147 Healdsburg Avenue, Healdsburg, CA 95448
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2. Hazard identification Symptoms relating to use

Inhalation : May cause sensitization by inhalation.
Skin contact : Not expected to present a significant Hazard under anticipated conditions of normal skin use.
Eye contact : Not expected to present significant eye contact Hazard under anticipated conditions of normal use
Ingestion : Not expected to present a significant ingestion Hazard under anticipated conditions of normal use

Product : Procion MX Dye 068 Turquoise
C. I. Name : Reactive Blue 140
Substance name C.A.S. No. : N/A

4. First-aid measures

General information : Remove contaminated clothing immediately and dispose of safely.
After inhalation : Remove the casualty into fresh air and keep him calm.
After contact with skin : In case of contact with skin wash off immediately with soap and plenty of water
After contact with eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
After injection : Clean mouth with water and drink plenty of water afterwards.

5. Fire-fighting measures

Suitable extinguishing media : Water spray jet
Foam
Carbon dioxide
Dry powder

Specific Hazards Arising from the chemical: No information available

Explosion Data

Sensitivity to Mechanical Impact : None

Sensitivity to Static Discharge : Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective Equipment and Precautions for Firefighters : As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.



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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the skin and the eyes. User personal protective equipment. For personal protection, see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Mentholds and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Pick up mechanically, dilute remaining rest with water & pick up with absorbent material (sawdust, sand, universal binder).

Avoid dust formation. When picked up, treat material as prescribed under heading "Disposal." Clean contaminated surface thoroughly.

7. Handling and storage

Advice on safe handling:

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke with using this product. Use personal protection recommended in Section 8.

Advice on protection against fire and explosion: Keep away from sources of ignition – avoid smoking

Storage: Advice on storage compatibility. Do not store with Alkalis. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products : None known based on information supplied.



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8. Exposure controls and personal protection

- General protective measures
- Avoid contact with eyes and skin
- Do not inhale dust
- Hygiene measures
- Keep away from foodstuffs and beverages
- Do not eat, drink or smoke during work time
- Remove soiled or soaked clothing immediately
- Clean skin thoroughly after work : apply skin cream
- During use, provide suitable ventilation
- Personal protective equipment :
 - Respiratory protection : Dust mask
 - Hand protection : Gloves
 - Eye protection : safety glasses

9. Physical and chemical properties

Product	: Procion MX Dye 068 Turquoise
C. I. Name	: Reactive Blue 140
CAS No.	: 71872-74-7
Chemical family	: Reactive Dyes
Appearance	: Dark Blue powder
Odor	: Odorless
Molecular Weight	: 250
Solubility in water (20°C):	: > 100 g/l
Ph value (20°C)	: 6 – 8 (at 10 g/l)
Bulk density	: 600 to 800 kgs.
Self ignition temp	: > 240 °C
Boiling point (0C)	: Not applicable
Melting point (0C)	: Above 250
Flash Point (0C)	: 250°C
Flammability	: Non Flammable

10. Stability and reactivity

Thermal decomposition	: > 190 °C
Hazardous reactions	: Reaction with alkalis
Hazardous decomposition products	: Unknown

11. Toxicological information

Acute oral toxicity	: Oral Rat LD50 => 2,000 mg/kg
Irritant effect on skin	: Slightly irritant
Irritant effect on eyes	: Slightly irritant
Sensitization	: may cause sensitization by inhalation and skin contact.
Mutagenic effects	: No mutagenic effects reported.
Corrosivity	: None.
Further information	: Persons with respiratory tract allergies Should avoid direct contact with reactive dyes



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12. Ecological information Persistence and degradability

Biodegradability : 10 to 25% (static method)
Fish toxicity (LC₅₀) : 10 to 100 mg/l (48 hours)

13. Disposal considerations

In accordance with current regulations may be taken to waste disposal site or Incineration plant, after consultation with site operator and / or with the responsible authority.

Un cleaned packing : Packing that cannot be cleaned should be disposed of as product waste

14. Transport information

Road transport : RID / ADR - Non hazardous goods
Inland waterways transport : ADNR - Non hazardous goods
Marine transport : IMDG – Code – Non hazardous goods
Air transport : ICAO / IATA – Non hazardous goods
Further information : Not classified as hazardous under transport conditions.
Protect against moisture, store / load separately from food.

15. Regulatory information (labeling in accordance with EC hazard warning labeling)

Hazard symbol	: Xn harmful
R phrase	S phrases
36/38 – irritation to eyes & skin	22 – Do not breathe dust
42/43-may cause sensitization	24/25 – Avoid contact with eyes and skin by inhalation and skin contact

16. Other information

This information is based on our present state of knowledge. It should not therefore be considered as guarantee. Specific properties of the products are described according to their suitability for a particular application.

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

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