



Rupert, Gibbon & Spider, Inc.  
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01302-5022

## Safety Data Sheet ( SDS )

Revised Date : 12/5/22  
Product : Procion MX Dye 072 Medium Blue  
C. I. Name : Blue 4  
Identification of the product : Synthetic Organic Dyes

### 1. Substance/preparation and company identification

Company: Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Avenue Healdsburg, CA 95448  
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### 2. Composition/information on ingredients

Substance name C.A.S. No. : NA

### 3. Hazard identification

May cause irritation of skin and eyes.  
May cause sensitization by inhalation and skin contact.  
No particular hazards known.

### 4. First-aid measures

General information : Remove contaminated clothing immediately and dispose off 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.

### 5. Fire-fighting measures

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

### 6. Accidental release measures

Methods for cleaning up / taking up  
Pick up mechanically, dilute remaining rest with water & pick up with absorbent material  
(sawdust, sand, universal binder)  
When picked up, treat material as prescribed under heading " Disposal " .

### 7. Handling and storage

Handling : 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  
Further information on storage conditions  
Storage period : Keep container tightly closed in dry place



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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 072 Medium Blue   |
| C. I. Name                  | : Blue 4                           |
| CAS No.                     | : NA                               |
| Chemical family             | : Reactive Dyes                    |
| Appearance                  | : Ranges from Yellow to Dark Brown |
| 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<br>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 (LC<sub>50</sub>) : 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.

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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