



Rupert, Gibbon & Spider, Inc.
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Safety Data Sheet (SDS)

Revised Date : 5/6/2015
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 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.

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.
