

(20692-03)

01302-4912

## MATERIAL SAFETY DATA SHEET

RUST ORANGE

0980

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Rev.: E  
 CIDS: 91316

**SECTION 1 NAME & HAZARD SUMMARY**

Material name:  
 PROCION® Brown MX-GRN

Hazard summary (as defined by OSHA Hazard Communication Standard,  
 29 CFR 1910.1200):  
 Physical hazards: None  
 Health hazards: Pulmonary (lung) sensitizer

Read the entire MSDS for a more thorough evaluation of the hazards.

**SECTION 2 INGREDIENTS****OSHA PEL**

Disazo dichlorotriazine reactive dye	Not listed
Other nonhazardous ingredients	Not listed

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

**SECTION 3 PHYSICAL DATA**

Boiling point: Not applicable  
 Vapor pressure (mmHg at 20°C): No data  
 Vapor density (air - 1): No data  
 Solubility in water: 150 g/l at 20°C  
 pH: 6.2  
 Specific gravity: No data  
 % Volatile by volume: Negligible  
 Appearance and odor: Brown odorless powder

**SECTION 4 FIRE AND EXPLOSION HAZARD DATA**

Flash point (and method): Not applicable  
 Autoignition temp.: No data  
 Flammable limits (STP): Not applicable

Extinguishing media:  
 Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Special fire fighting protective equipment:  
 Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:  
 This product may form explosive dust clouds in air.

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## MATERIAL SAFETY DATA SHEET (continued)

PROCION Brown MX-GRN

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**SECTION 5 REACTIVITY DATA**

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**Stability:**

Stable under normal conditions.

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**Incompatibility (materials to avoid):**

Oxidizing agents.

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**Hazardous decomposition products:**

Combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, sulfur oxides, halogen, halogen acids, possible trace amounts of carbonyl halide.

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**Hazardous polymerization:**

Will not occur.

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**SECTION 6 HEALTH HAZARD ASSESSMENT**

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**General:**

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

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**Ingestion:**The acute oral LD<sub>50</sub> in rat is above 5 g/kg. Relative to other materials, a single dose of this product is practically nontoxic by ingestion.

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**Eye contact:**

This material is nonirritating in rabbit eye studies; no irritation is likely to occur after human eye contact.

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**Skin contact:**

This material is slightly irritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin.

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**Skin absorption:**

This product is not likely to be absorbed through human skin.

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**Inhalation:**

Although the potential for respiratory sensitization is expected to be low from exposures to dusts generated from this dyestuff, some individuals have developed respiratory allergic reactions after repeated and/or prolonged exposures to high atmospheric concentrations of dust from some reactive dyes, of which Procion dyes are one type. Cough, tightness in chest, and/or asthmatic wheezing may be signs of respiratory allergy.

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**Other effects of overexposure:**

No other adverse clinical effects are known to be associated with exposures to this material.

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**First aid procedures:****Skin:** Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.**Eyes:** Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

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**MATERIAL SAFETY DATA SHEET (continued)**

PROCION Brown MX-GRN

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**SECTION 6 HEALTH HAZARD ASSESSMENT (continued)**

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**First aid procedures (continued):**

**Ingestion:** Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

**Inhalation:** Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

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**SECTION 7 SPILL OR LEAK PROCEDURES**

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**Steps to be taken in case material is released or spilled:**

Sweep up and recover or mix material with moist absorbent and shovel into waste container. Wash down spill area with water and flush to a sewer serviced by a wastewater treatment facility. Use care to minimize the amount of dyestuff that reaches the sewer.

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**Disposal method:**

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

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**Container disposal:**

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue and puncture or otherwise destroy empty container before disposal.

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**SECTION 8 SPECIAL PROTECTION INFORMATION**

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**TLV® or suggested control value:**

No TLV assigned. Minimize exposure in accordance with good hygiene practice.

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**Ventilation:**

Use local exhaust to keep exposures to a minimum.

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**Respiratory protection (specify type):**

If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m<sup>3</sup>.

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**Protective clothing:**

Gloves, apron and arm covers to avoid skin contact (see Section 9).

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**Eye protection:**

Safety glasses with side shields.

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**Other protective equipment:**

Eyewash station and safety shower in work area.

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**SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS**

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**Precautions to be taken in handling or storing:**

Follow procedures specified in the National Fire Protection Association Codes and Standards for handling explosive dusts. Maintain good housekeeping to avoid dust buildup. Avoid skin contact; stains may be difficult to remove without injuring the skin. Minimize inhalation exposure to dusts. A sensitized individual should not be exposed to the product which caused the sensitization.

MATERIAL SAFETY DATA SHEET (continued) PROCION Brown MX-GRN

**\*\*\*SECTION 10 REGULATORY INFORMATION**

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:  
All ingredients are on the TSCA Chemical Substance Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):  
This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

The information herein is given in good faith  
but no warranty, expressed or implied, is made.

Prepared/Reviewed: 11/03/86

\*\*\*This line or section contains revisions or new statements since  
the last issue date.