

MATERIAL SAFETY DATA SHEET



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SECTION 1 NAME & HAZARD SUMMARY

Material name:

PROCION® Red MX-BA **PRO Red 310**

Hazard summary (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):

Physical hazards: None

Health hazards: Harmful pulmonary (lung) sensitizer, irritant (eye)

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

SECTION 2 INGREDIENTS

Dyestuff

Other nonhazardous ingredients

%	TLV (ACGIH)
	Not listed
	Not listed

Ingredients not precisely identified are proprietary or nonhazardous. All ingredients appear on the EPA TSCA Inventory. Values are not product specifications. gt = greater than, lt = less than, ca = approximately

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: 70 g/l

pH: No data

Specific gravity: No data

% Volatile by volume: Negligible

Appearance and odor: Red 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, halon 1211.

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.

SECTION 5 REACTIVITY DATA

Stability:

Stable under normal conditions.

SECTION 5 REACTIVITY DATA (continued)

Incompatibility (materials to avoid):
Oxidizing agents.

Hazardous decomposition products:

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

Hazardous polymerization:

Will not occur.

SECTION 6 HEALTH HAZARD ASSESSMENT

General:

No toxicity data are available on this specific product; this health hazard assessment is based on information on similar materials.

Ingestion:

The acute oral LD₅₀ in rat is above 5 g/kg. Relative to other materials, a single dose of this product is practically nontoxic by ingestion, Hodge, H.C. and Sterner, J.H., American Industrial Hygiene Association Quarterly, 10:4, 93, Dec. 1949.

Eye contact:

This material is likely to be slightly irritating after human eye contact.

Skin contact:

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

Skin absorption:

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

Inhalation:

Although the potential for lung sensitization is expected to be low from exposures to dusts generated from this dyestuff, some persons have developed respiratory allergy after repeated and/or prolonged exposures to high atmospheric concentrations of dust from powdered PROCION dyestuff. Cough, tightness in chest, and/or asthmatic wheezing may be signs of respiratory allergy.

Other effects of overexposure:

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

First aid procedures:

Skin: Wash material off the skin with copious amounts of soap and water. If redness, itching or a burning sensation develops, get medical attention.

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SECTION 6 HEALTH HAZARD ASSESSMENT (continued)

First aid procedures (continued):

Eyes: Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

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.

SECTION 7 SPILL OR LEAK PROCEDURES

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

Wear skin, eye and respiratory protection during cleanup. 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.

Disposal method:

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

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.

SECTION 8 SPECIAL PROTECTION INFORMATION

TLV® or suggested control value:

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

Ventilation:

Use local exhaust to keep exposures to a minimum.

Respiratory protection (specify type):

If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m³.

Protective clothing:

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

Eye protection:

Chemical tight goggles.

Other protective equipment:

Eyewash station and safety shower in work area.

SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

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. Prevent eye contact. Minimize inhalation exposure to dusts. A sensitized individual should not be exposed to the product which caused the sensitization.

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

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