



# ICI Americas Inc.

## MATERIAL SAFETY DATA SHEET

FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT

#M3373

|  |   |  |
|--|---|--|
| section 1 name & product<br>manufacturer's name<br>(a) ICI Americas Inc.   |   | emergency phone no. (24 hours)<br>(b) 302/575-3000 |
| street address<br>(c) Concord Pike & Murphy Rd.                            | for latest data, consult manufacturer.          | date this form written<br>(d) 2/18/80              |
| city, state, zip code<br>(e) Wilmington, DE 19897                          | signature of certifying company official<br>(f) |  |
| chemical name, trade name, and synonyms<br>(g) PROCION® Blue MX-2GA (Navy) |   |  |
| formula of primary component(s)<br>(h) C. I. Reactive Blue 109             |   |  |

| section 2 ingredients  | %            | TLV (units)           |
|--|--------------|-----------------------|
| Pure Dye<br>Proprietary  | 23.8<br>76.2 | *10 mg/M <sup>3</sup> |
| *No data but suggest a TLV of 10 mg/M <sup>3</sup> total dust.<br>(not specification values) |              |                       |

| section 3 physical data         |                |                        |                |
|---------------------------------|----------------|------------------------|----------------|
| 2 boiling point (°F.)           | Not applicable | 6 specific gravity     | Approx. 1      |
| 3 vapor pressure (mmHg at 20°C) | Not applicable | 7 % volatile by volume | Not applicable |
| 4 vapor density (air = 1)       | Not applicable | 8 color and odor       | Blue/Minimal   |
| 5 solubility in water           | 150 g/l        | 9 physical state       | Powder         |

| section 4 fire and explosion hazard data  |   |                       |
|---|---|-----------------------|
| 10 flash point (and method used)<br>Not applicable  | 11 flammable limits (STP)<br>L.F.L. Not applicable  | U.F.L. Not applicable |
| 12 extinguishing media:<br><input checked="" type="checkbox"/> water fog <input checked="" type="checkbox"/> foam <input type="checkbox"/> alcohol foam <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> dry chemical <input type="checkbox"/> other | 13 special fire fighting protective equipment<br>Self contained breathing apparatus in close proximity of fire. |                       |

14 unusual fire and explosion hazards  
In common with many organic chemicals including the majority of dyes and pigments in powder form, this product could form flammable dust clouds in air.

| section 5 reactivity data  |   |                        |
|--|---|------------------------|
| 15 stability   | normal conditions   | 16 conditions to avoid |
|  | fire conditions   |                        |
| 17 incompatibility (materials to avoid)  | <input type="checkbox"/> water <input type="checkbox"/> acid <input type="checkbox"/> base <input type="checkbox"/> corrosive <input type="checkbox"/> oxidizing material<br><input type="checkbox"/> other    Not applicable |                        |
| 18 hazardous decomposition products<br>Thermal decomposition products: oxides of nitrogen, CO, & CO <sub>2</sub> . |   |                        |
| 19 hazardous polymerization  | may occur   | 20 conditions to avoid |
|  | will not occur  |                        |

PROCION is a registered trademark of Imperial Chemical Industries Ltd.

section 6 health hazard data Based on the testing of a similar dye material.

21 oral ingestion

Acute Oral Rat LD50: >5.0 g/kg.

22 eye contact

Positive as an eye irritant in animal testing.

23 skin contact

Mildly irritating in animal testing but not considered a primary skin irritant.

24 skin absorption

Not applicable

25 inhalation (TLV or suggested control figure)

No data but suggest TLV of 10 mg/M<sup>3</sup> total dust. (ACGIH 1979 tables)

26 effects of overexposure Dust can cause respiratory allergy. A sensitized individual should not handle the product which caused the sensitization.

27 first aid procedures

In case of contact with eyes or skin - Flush with plenty of water. If redness, itching or a burning sensation develops, get medical attention. Remove contaminated clothing. Wash clothing and decontaminate shoes before reuse. Ingestion: Treat symptomatically.

section 7 spill or leak procedures

28 steps to be taken in case material is released or spilled

Mix with a slightly moist absorbent such as sand, earth or sawdust and shovel into waste container. Wear eye protection, protective clothing and respiratory protection.

29 disposal method

Dispose of waste material in accordance with local, state and federal pollution regulations.

section 8 special protection information

|                |  |         |
|----------------|--|---------|
| 30 ventilation | local exhaust  | special |
|                | At transfer points<br>mechanical (general)<br>Dilution ventilation | other   |

31 respiratory protection (specify type) Caution, do not use respirators beyond their capabilities. Not normally needed if local exhaust satisfactory. If needed use MESA-NIOSH approved for

32 protective clothing substance with TLV not less than 0.05 mg/cum for dusts.

Rubber gloves, aprons and/or protective creams.

33 eye protection  safety glasses with side shields  chemical workers goggles  gas tight goggles or equivalent  other Full face shield, in addition, if in solution and splashing possible

34 other protective equipment

Not applicable

section 9 special precautions or other comments

35 precautions to be taken in handling and storing

Dermatitis may occur to employees who may use harsh cleansing compounds or chemicals to remove stains.

36 other precautions

This dye does not contain any of the cancer-suspect agents in excess of the limits specified under the respective regulations in 29CFR Chapter XVII, Part 1910 Subpart Z, as of the date shown in section 1(d) of this form.

37 references

Internal, 1979 ACGIH TLV tables.