MATERIAL SAFETY DATA SHEET FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT Req. #1809-A section 1 name & product emergency phone no. (24 hours) manufacturer's name (b) 302-575-3000 ICI Americas Inc date this form written street address for latest data, con-(d) 4/10/80 (C) suit manufacturer. Concord Pike & Murphy Road signature of certifying company official city, state, zip code Wilmington, DE 19897 chemical name, trade name, and synonyms (g) PROCION® BROWN MX-CRA formula of primary component(s) C.I. Reactive Brown TLV % section 2 ingredients (units) 41.3 *10 mg/M³ Pure Dye 58.7 Proprietary *No data but suggest a TLV of 10 mg/M3 total dust. (not specification values) section 3 physical data 6 specific gravity Approx. 1 Not applicable 2 boiling point (°F.) Not applicable 7 % volatile by volume 3 vapor pressure (mmHgat 20° c) Not applicable 8 color and odor Brown/Minimal 4 vapordensity (air = 1) Not applicable 9 physical state Powder 5 solubility in water 120 g/1 section 4 fire and explosion hazard data 11 flammable limits (STP) 10 flash point (and method used) U.F.L. Not applicable Not applicable Not applicable alcohol X fog water extinguishing other CO, X foam chemical foam media: 13 special fire fighting protective equipment 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. reactivity data section 5 16 conditions to avoid normal conditions Yes stability fire Yes conditions oxidizing ☐ base corrosive acid incompatwater material ibility (materials to other Not applicable avoid) 18 hazardous decomposition products Oxides of nitrogen, CO, & CO2 20 conditions to avoid

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MATERIAL SAFETY DATA SHEET (continued)



MATERIAL SAFETY DATA SHEET

FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT

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section 1 nan	ne & product										<u> </u>		
manufacturer's name								emergency phone no. (24 hours)					
(a) ICI Am				(b)	302/575								
street address						for latest data, cor	4-	this form wr					
(c) Concor	d Pike &	Murp	hy Rd.		•	suit manufacturer.	•	2/18/80		* .			
city, state, zip	code					signature of certify	ing com	pany officia					
(e) Wilmin	gton, DE	198	97			(f)							
chemical name		and s	упопута	1	7	<u> </u>							
(g) PROCIO	N® Blue 1	IX-2G	:A (/	Morali))								
formula of prin				A 2 3	17								
					1				1		·		
(h) C. I.	Reactive	Blue	109										
(11)				•									
							•						
	414-									9%	TLV		
section 2 ingi	realents								·-	79	(units)		
													
December De					•					23.8	*10 u		
Pure D	•				•					76.2	170 "		
Proprie	etary					•				70.2			
											Ì		
*}	No data i	out s	uggest	a TLV	of IO mg/	M ³ total dust	Ε.]		
			,										
					(not specifi	ication values)							
				<u> </u>	(not special						<u> </u>		
section 3 phy		-	<u>, , , , , , , , , , , , , , , , , , , </u>			16 accellia consider	· · · · · ·						
2 boiling point (°F.)			NOC ADDITICABLE			6 specific gravity							
3 vapor pressure (mmHg at 20°c)			Not	applica	7 % volatile by vo								
4 vapor density (air = 1)			Not applicable			8 color and odor							
5 solubility in				9/1		9 physical state		Powder	·				
section 4 fire			rd data				- A-F						
10 flash point		used)			•	11 flammable limit		•	1	_			
Not app	plicable					L.F.L. Not app	lical	ble	U.F.L. No	t app]	licabl		
12 extinguishin	no =	water		foam	alcoho	□ CO2		dry	other				
media:	- <u>K</u>	fog	云		☐ foam	<u> </u>		chemical					
13 special fire	fighting prot	ective e	quipment										
Self co	ontained	brea	thing	apparat	ius in clo	ose proximity	of f	fire.					
				·									
								•					
14 unusual fire	and explosi	on haza	ards					•					
In com	non with	many	organi	lc chemi	lcals inc	luding the ma	jorit	ty of dy	es and p	igment	s in		
			T			-				•	•		
powder	form, th	is p	roduct	could f	form flam	mable dust cl	ouds.	in air.					
section 5 rea		<u>-</u>			· · · · · · · · · · · · · · · · · · ·								
15	normal	T	16 conditi	ons to avoi	<u>a </u>					 -			
	conditions	Yes			•	•			•				
stability	fire	1											
	conditions	Yes				•	•						
17		Tea		 				oxidizing					
incompat-		water		acid	☐ base	corrosive	· 🗆	material					
ibility	ļ												
(materials to		other	,	ta+7	Idonbio								
avoid)				Not appl	TTGRDTE					<u>,</u>			
18 hazardous						Cd	2 01	CO.					
Thermal	l decompo					f nitrogen, C	υ, α	CU2.					
19	may		20 conditi	ons to avoi	d								
hazardous	occur	-							 				
polymeriza-	will not				<u></u>								
tion	occur	X											
DPACTOR	Vis a re	orist	ered to	cademar	of Imper	rial Chemical	Indu	stries	Ltd.				

MATERIAL SAFETY DATA SHEET (continued) PROCION Blue MX-2GA							
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.							
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 ³ 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 splii 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 other							
Dilution ventilation							
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 eve protection Full face shield, in							
with side shields workers goggles or equivalent other addition, if in solut:							
34 other protective equipment and splashing possible							
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.							
3/references							
3/7676760068							

Fab Dec 3553 Old Post Road San Angelo, Tx 76904

MATERIAL SAFETY DATA SHEET

Dobder K62443

FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT

Req. #1792-A section 1 name & product 962 emergency phone no (24 hours) manufacturer's name (a) 302-575-3000 ICI Americas Inc. date this form written street address for latest data, con-(d) 4/10/80 suit manufacturer. Concord Pike & Murphy Road city, state, zip code signature of certifying company official (e) Wilmington, DE 19897 chemical name, trade name, and synonyms PROCION® Green MX-CBA (g) formula of primary component(s) C. I. Reactive Green (h) TLV section 2 ingredients (units) $34.7 *10 \text{ mg/M}^3$ Pure Dye 65.3 Proprietary *No data but suggest a TLV of 10 mg/M^3 total dust. (not specification values) section 3 physical data 2 boiting point (°F.) 6 specific gravity Approx. 1 Not applicable 3 vapor pressure (mmHgat 20°c) 7 % volatile by volume Not applicable Not applicable 4 vapor density (air = 1) 8 color and odor Green/Minimal Not applicable 5 solubility in water 9 physical state Powder 150 g/1 section 4 fire and explosion hazard data 10 flash point (and method used) 11 flammable limits (STP) U.F.L. Not applicable L.F.L. Not applicable Not applicable water dry extinguishing alcohol X X foam ∏ co₃ other fog chemical foam media: 13 special fire fighting protective equipment 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 16 conditions to avoid norma! conditions Yes stability fire Yes conditions 17 oxidizing water base corrosive incompatacid material ibility (materials to Other avoid) Not applicable 18 hazardous decomposition products Oxides of nitrogen, CO & CO2 19 20 conditions to avoid may occur bazardous polymerizawill not

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MATERIAL SAFETÝ DATA SHEET (continued)	PROCLON Green MX-CBA
eection 8 - health hazard data 21 oral ingesteen	٥
Acute Oral Rat LD:0: >5.0 g/kg	
Mildly irritating in animal testing.	
Mildly irritating to rabbit skin.	
No data. 25 inhalauon (TLV or suggested control ligure)	
DODC CAM 1:-: 3 : 40	zed individual should not handle
the product which caused the sensitization.	
for eyes a skill - riden very	tching or a burning sensation ng. Wash clothing and decon-
develops, 8se in-	The second secon
taminate shoes before reuse. Ingestion: Treat symptomatica	11y.
section 7 spill or leak procedures	and community with the community of the
28stepstobetakenincasematerialisreleasedorspilled Mix with a slightly moist absorbent such as sand, earth or s	awdust and shovel into waste
	
container. Wear eye protection, protective clothing and res	piratory protection.
Prospose of waste material in accordance with local, state at	d federal pollution regulations.
Dispose of waste material and other	
section 8 special protection information	
39 ventuation (cost exhaust) special	
At transfer points	
mechanical (general)	
Dilution ventilation	t their capabilities. If needed.
Of respiratory protection (specify type) Caution, do not use respirators beyon MSHA-NIOSH approved respirator for substance with TLV not le	ss than 0.05 mg/cum for dusts.
32 protective cipthing	*
Rubber gloves, aprons and/or protective creams.	
33 eye protection not normally safety glasses safety glasses with olde shields with side shields	x chemical workers goggles
gas tight goggles other other	
34 other protective equipment	
Not applicable	
•	
section 9 special precautions or other comments	
35 executions to be taken in handling and storing	
Dermatitis may occur to employees who may use harsh cleansing	g compounds or chemicals
to remove stains.	
Storage - normal chemical handling & storage.	
This dye does not contain any of the cancer-suspect agents i	n excess of the limits
specified under the respective regulations in 29CFR Chapter	XVII, Part 1910 Subpart Z,
1/4) of this form	

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