## Y2002E A5

## MATERIAL SAFETY DATA SHEET

### INTERPROTECT 2002E WHITE



Akzo Nobel Coatings Interlux Yacht Finishes 2270 Morris Avenue P. O. Box 386 Union, NJ 07083 Sales Order: {SalesOrd}
MSDS Revision No: A5 –5

MSDS Revision Date: 03/02/2011

 EMERGENCY NUMBERS:

 (800) 424–9300
 CHEMTREC (USA)

 (703) 527–3887
 CHEMTREC (Intl)

 (800) 854–6813
 Poison Control Center

 CUSTOMER SERVICE:
 (Non–Emergency)

 (800) 589–1267
 International Paint

 (800) 631–7481
 Interlux

### 1. GENERAL INFORMATION

Product Identity: INTERPROTECT 2002E WHITE

Bulk Sales Reference No: Y2002E

**IMPORTANT:** Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

**NOTICE:** OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

### 2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	100 ppm TWA; 300 mg/m3 TWA50 ppm Ceiling; 150 mg/m3 Ceiling
		ACGIH:	20 ppm TWA
		NIOSH:	50 ppm Ceiling; 150 mg/m3 Ceiling1400 ppm IDLH (10% LEL)
		Supplier:	No Established Limit
	Deterral	OHSA, CAN:	20 ppm TWAEV
0000071-36-3	Butanol 1.0 – 10% by Weight	Mexico:	No Established Limit
	1.0 – 10 % by Weight	Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Eye and mucous membrane irritation CNS depression
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
CAS No.	Ingredient Name & %	Source OSHA:	Exposure Data  No Established Limit
CAS No.	Ingredient Name & %		·
CAS No.	Ingredient Name & %	OSHA:	No Established Limit
CAS No.	Ingredient Name & %	OSHA: ACGIH:	No Established Limit No Established Limit
CAS No.		OSHA: ACGIH: NIOSH:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA
CAS No. 0000095–63–6	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit
		OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit No Established Limit
	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit No Established Limit No Established Limit
	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit No Established Limit No Established Limit No Established Limit
	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit No Established Limit No Established Limit No Established Limit Health Data
	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH:	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit Health Data No Established Limit
	1,2,4-Trimethyl benzene	OSHA: ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source	No Established Limit No Established Limit 25 ppm TWA; 125 mg/m3 TWA No Established Limit Health Data No Established Limit Carcinogen Data

CAS No.	Ingredient Name & %	Source	Exposure Data
07.0 7.0.	ingredient Name & %	OSHA:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3
		ACGIH:	STEL 100 ppm TWA125 ppm STEL
		NIOSH:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3
		Supplier:	STEL800 ppm IDLH (10% LEL) No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m3 TWAEV125 ppm STEV; 540 mg/m3 STEV
0000100-41-4	Benzene, ethyl– 0.10 – 1.0% by Weight	Mexico:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3
	, ,	Brazil:	STEL 78 ppm TWA: 340 mg/m3 TWA
		Source	Health Data
		NIOSH:	Eye skin
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: Yes
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
			Group 1: No; Group 2A: No;
		IARC:	Group 2b: Yes; Group 3: No; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3
		ACGIH:	STEL 100 ppm TWA150 ppm STEL
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m3 TWAEV150 ppm STEV; 650 mg/m3 STEV
0001330–20–7	Xylenes (o-, m-, p- isomers) 1.0 - 10% by Weight	Mexico:	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		Brazil:	78 ppm TWA; 340 mg/m3 TWA
		Source	Health Data
		NIOSH:	Central nervous system depressant; respiratory and eye irritation
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	
			15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction
		ACGIH: NIOSH:	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
		ACGIH:	10 mg/m3 TWA
		ACGIH: NIOSH:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
0007727–43–7	Barium sulfate	ACGIH: NIOSH: Supplier:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit
0007727–43–7	Barium sulfate 10 – 25% by Weight	ACGIH: NIOSH: Supplier: OHSA, CAN:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust)
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit Health Data
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit Health Data Eye nose
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit Health Data Eye nose Carcinogen Data Select Carcinogen: No
0007727–43–7		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA:	10 mg/m3 TWA 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit Health Data Eye nose Carcinogen Data
0007727–43–7 CAS No.		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA: NTP:	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) No Established Limit 10 mg/m3 TWAEV (total dust) No Established Limit No Established Limit Health Data Eye nose Carcinogen Data Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No;

		ACGIH:	3 mg/m3 TWA (respirable fraction)
		NIOSH:	3 mg/m3 TWA (respirable dust, containing less than 1%
			quartz)1500 mg/m3 IDLH (containing
		Supplier:	No Established Limit
		OHSA, CAN:	3 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica)
		Mexico:	3 mg/m3 TWA
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	respirable dust; Fibrotic pneumoconiosis
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No;
			Group 2b: No; Group 3: No; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	15 mg/m3 TWA (total dust)
		ACGIH:	10 mg/m3 TWA
		NIOSH:	5000 mg/m3 IDLH
		Supplier:	No Established Limit
	Titanium dioxide	OHSA, CAN:	10 mg/m3 TWAEV (total dust)
0013463–67–7	10 – 25% by Weight	Mexico:	10 mg/m3 TWA (as Ti)20 mg/m3 STEL (as Ti)
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Lung tumors in animals
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: Yes
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: Yes; Group 3: No; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
		OOLIA	No Established Limit
		OSHA:	NO Established Ellilli
		ACGIH:	2 mg/m3 TWA (respirable fraction, particulate matter with no
		ACGIH:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit
0014807 96 6	Tale	ACGIH: NIOSH:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz)
0014807–96–6	Talc 10 – 25% by Weight	ACGIH: NIOSH: Supplier:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz)  No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less
0014807–96–6		ACGIH: NIOSH: Supplier: OHSA, CAN:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica)
0014807–96–6		ACGIH: NIOSH: Supplier: OHSA, CAN: Mexico:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz)  No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA
0014807–96–6		ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit
0014807–96–6		ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil: Source	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no
0014807–96–6		ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects
0014807–96–6		ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects Carcinogen Data
0014807–96–6		ACGIH:  NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects Carcinogen Data Select Carcinogen: No
	10 – 25% by Weight	ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA: NTP: IARC:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects  Carcinogen Data  Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No
0014807–96–6 CAS No.		ACGIH:  NIOSH:  Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA: NTP: IARC:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects  Carcinogen Data  Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No  Exposure Data
	10 – 25% by Weight	ACGIH:  NIOSH:  Supplier: OHSA, CAN:  Mexico: Brazil: Source NIOSH: Source OSHA: NTP: IARC:  Source OSHA:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects Carcinogen Data  Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No  Exposure Data  No Established Limit
	10 – 25% by Weight	ACGIH:  NIOSH: Supplier: OHSA, CAN: Mexico: Brazil: Source NIOSH: Source OSHA: NTP: IARC: Source OSHA: ACGIH:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects Carcinogen Data  Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No  Exposure Data  No Established Limit 0.025 mg/m3 TWA (respirable fraction) 0.05 mg/m3 TWA (respirable dust)50 mg/m3 IDLH (respirable
	10 – 25% by Weight	ACGIH:  NIOSH:  Supplier: OHSA, CAN:  Mexico: Brazil: Source NIOSH: Source OSHA: NTP: IARC:  Source OSHA:	2 mg/m3 TWA (respirable fraction, particulate matter with no asbestos and less than 1% crystalline 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)1000 mg/m3 IDLH (containg no asbestos and less than 1% quartz) No Established Limit 2 mg/m3 TWAEV (respirable, containing no asbestos and less than 1% crystalline silica) 2 mg/m3 TWA No Established Limit  Health Data (containing asbestos); Fibrotic pneumoconiosis; (containing no asbestos); Nonmalignant respiratory effects Carcinogen Data Select Carcinogen: No Known Carcinogen: No; Suspected Carcinogen: No Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No  Exposure Data No Established Limit 0.025 mg/m3 TWA (respirable fraction)

		OHSA, CAN:	0.10 mg/m3 TWAEV (designated substance regulation)0.10 mg/m3 TWAEV	
		Mexico:	0.1 mg/m3 TWA	
		Brazil:	No Established Limit	
		Source	Health Data	
		NIOSH:	Chronic lung disease (silicosis)	
		Source	Carcinogen Data	
		OSHA:	Select Carcinogen: Yes	
		NTP:	Known Carcinogen: Yes; Suspected Carcinogen: No	
		IARC:	Group 1: Yes; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No	
CAS No.	Ingredient Name & %	Source	Exposure Data	
		OSHA:	No Established Limit	
		ACGIH:	No Established Limit	
		NIOSH:	No Established Limit	
		Supplier:	No Established Limit	
	Polymer of epoxy resin and	OHSA, CAN:	No Established Limit	
0025036-25-3	bisphenol A	Mexico:	No Established Limit	
	10 – 25% by Weight	Brazil:	No Established Limit	
		Source	Health Data	
		NIOSH:	No Established Limit	
		Source	Carcinogen Data	
		OSHA:	Select Carcinogen: No	
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No	
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No	
CAS No.	Ingredient Name & %	Source	Exposure Data	
5710 1 <b>1</b> 0.	ingredient Name & %	OSHA:	No Established Limit	
		ACGIH:		
		NIOSH:	No Established Limit No Established Limit	
	B	Supplier:	No Established Limit No Established Limit	
		OHSA, CAN:	No Established Limit  No Established Limit	
064742-95-6	Petroleum naphtha, light aromatic	Mexico:	No Established Limit	
004742-33-0	1.0 – 10% by Weight	Brazil:	No Established Limit	
	, ,	Source	Health Data	
		NIOSH:	No Established Limit	
			Carcinogen Data	
		Source OSHA:		
			Select Carcinogen: No	
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No	
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No	
This product con	ntains 0.25 percent Quartz.			

## 3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing. This product may contain trace amounts of Benzene. The IARC monographs (vol.29) state that there is sufficient evidence for the carcinogenicity in humans and limited evidence for the carcinogenicity in animals. Benzene is also listed in the NTP Annual Report on Carcinogens and in the OSHA Subpart Z table (Specifically Regulated Substances).
Inhalation:	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes:	Risk of serious damage to eyes. Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site–specific condition of use, safety

	thouroughly cleaned, or discar	r head and face protection may be required to ded after each use.	prevent contact. The equipment must
Skin: Ca	auses skin irritation. May cause	delayed skin irritation. May be harmful if absor	bed through the skin.
Ingestion: Ha	armful if swallowed. May cause	abdominal pain, nausea, vomiting, diarrhea, or	r drowsiness.
		an ingredient which may cause cancer based tisk of cancer depends on duration and level of	
HMIS Rating: He	ealth: 2	Flammability: 3	Reactivity: 0

## 4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1–800–854–6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

## 5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1–800–243–4630, in Canada call 1–800–267–4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site–specific condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site–specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site–specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

### 6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 80 C: 27
Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Flammable liquid and vapor. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.
Fire Fighting Procedures:	CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol–resistant foam. LARGE FIRES: Use water spray, fog, or alcohol–resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

Also Reference Emergency Response Guide Number: 127

### PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid White

No Established Limit pH:

Specific Gravity: 1 567133

Vapor Density: Heavier than air

Refer to the Technical Data Sheet for this product. VOC Content (lbs):

210

**Evaporation Rate:** Slower than ether VOHAP content (gm/litre of paint):150.70 (as supplied)

VOHAP content (gm/litre of Solid

Coating):

Boiling Point (F):

294.14 (as supplied)

#### STABILITY AND REACTIVITY DATA 8.

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive General:

heat and fumes generation can occur if improperly handled.

Incompatible Materials: Strong oxidizing agents

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Hazardous Decompostion:

Dioxide and Carbon Monoxide.

#### 9. HANDLING AND STORAGE

Store between 40-100F (4-38C). Storage Temperature:

Handling and Storage Precautions:

Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

#### 10. TOXICOLOGICAL DATA

General:

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical

specific data.

#### **ECOLOGICAL DATA** 11.

General: Not Defined No additional information provided for this product. See Section 2 for chemical specific data.

#### ACCIDENTAL RELEASE MEASURES 12.

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material.

Spill Response Procedures: Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other

non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of

low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at Public Safety: least 300 meters (1000 feet).

Also, Reference Emergency Response Guide Number: 127

## 13. DISPOSAL CONSIDERATION

Waste Disposal:

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

### 14. TRANSPORTATION INFORMATION

DOT (Domestic	Surface Transportation)	IMO / I	IMDG (Ocean Transportation)
DOT Proper Shipping Name: PAINT	,	IMDG Proper Shipping N PAINT	Name:
DOT Hazard Class:	3	IMDG Hazard Class:	3 - Flammable and Combustible liquid
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	Ш	IMDG Packing Group:	III
CERCLA/DOT RQ:	91 gal. / 1182 lbs.	System Reference Code	e:2

15.	REGULATORY INFORMATION
Regulatory Overview:	The regulatory data in Section 15 is not intended to be all–inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.  Note: Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.
WHMIS Classification:	No Established Limit
Regulatory List DOT Marine Pollutants (10%):	Benzene, ethyl-: 1000 lb final RQ; 454 kg final RQ Butanol: 5000 lb final RQ; 2270 kg final RQ Xylenes (o-, m-, p- isomers): 100 lb final RQ; 45.4 kg final RQ s
0000095–63–6 0000100–41–4 0000071–36–3	1,2,4–Trimethyl benzene Benzene, ethyl– Butanol
0001330–20–7 Mass RTK Substances (>1%): 0000095–63–6 0007727–43–7 0012001–26–2 0000071–36–3 0014807–96–6 0013463–67–7 0001330–20–7 Mass Extraordinarily Haz Sub (>.01%):	Xylenes (o-, m-, p- isomers)  1,2,4-Trimethyl benzene Barium sulfate Mica Butanol Talc Titanium dioxide Xylenes (o-, m-, p- isomers)
0014808-60-7 0014464-46-1	Quartz Silica, cristobalite

1,2,4-Trimethyl benzene

Penn RTK Substances (>1%):

0000095-63-6

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```
0007727-43-7
                               Barium sulfate
  0012001-26-2
                               Mica
  0000071-36-3
                               Butanol
  0014807-96-6
                               Talc
  0013463-67-7
                               Titanium dioxide
  0001330-20-7
                               Xylenes (o-, m-, p- isomers)
Penn Special Hazardous
Substances (>.01%):
     (No Product Ingredients
Listed)
Rhode Island Hazardous
Substances (>.1%):
  0000064-17-5
                               Ethyl alcohol
  0000100-41-4
                               Benzene, ethyl-
  0000546-93-0
                               Magnesium carbonate
  0012001-26-2
                               Mica
  0000071-36-3
                               Butanol
  0014808-60-7
                               Quartz
  0014807-96-6
                               Talc
  0013463-67-7
                               Titanium dioxide
  0001330-20-7
                               Xylenes (o-, m-, p- isomers)
RCRA Status (%):
  0000071-43-2
                               Benzene : .00166
N.J. RTK Substances (>1%):
                               1,2,4-Trimethyl benzene
  0000095-63-6
  0012001-26-2
                               Mica
  0000071-36-3
                               Butanol
  0014807-96-6
                               Talc
  0013463-67-7
                               Titanium dioxide
  0001330-20-7
                               Xylenes (o-, m-, p- isomers)
N.J. Special Hazardous
Substances (>.01%):
  0000064-17-5
                               Ethyl alcohol
  0000100-41-4
                               Benzene, ethyl-
  0000078-83-1
                               Isobutyl alcohol
  0000067-63-0
                               Isopropyl alcohol
  0000067-56-1
                               Methanol
  0000071-36-3
                               Butanol
  0001330-20-7
                               Xylenes (o-, m-, p- isomers)
N.J. Env. Hazardous Substances
(>.1%):
  0000095-63-6
                               1,2,4-Trimethyl benzene
  0000100-41-4
                               Benzene, ethyl-
  0000071-36-3
                               Butanol
  0001330-20-7
                               Xylenes (o-, m-, p- isomers)
Proposition 65 - Carcinogens
(>0%):
  0000071-43-2
                               Benzene
  0000100-41-4
                               Benzene, ethyl-
  0000050-00-0
                               Formaldehyde
  0014808-60-7
                               Quartz
Proposition 65 - Female Repro
Toxins (>0%):
     (No Product Ingredients
Listed)
Proposition 65 - Male Repro
Toxins (>0%):
  0000071-43-2
                               Benzene
Proposition 65 - Developmental
Toxins (>0%):
  0000071-43-2
                               Benzene
  0000064-17-5
                               Ethyl alcohol
```

### 16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable

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health and safety laws, regulations, and orders.

### FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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### **Head Office**

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