


MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

R4330 MAX COR CF		MSDS Revision No: E1 -	MSDS Revision Date: 09/12/2007
	Akzo Nobel Coatings	EMERGENCY NUMBERS:	
	Awlgrip North America	(800) 424-9300	CHEMTREC (USA)
	2270 Morris Avenue	(703) 527-3887	CHEMTREC (Intl)
	P. O. Box 386	(800) 854-6813	Poison Control Center
	Union, NJ 07083	CUSTOMER SERVICE: (Non-Emergency)	(888) 355-3090 AWLGRIP (Phone)
		(908) 686-1752	AWLGRIP (Fax)

1. GENERAL INFORMATION

Product Identity: R4330 MAX COR CF

Bulk Sales Reference No: OR4330

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
000100-41-4	Ethyl benzene 0.10 - 1.0% by Weight	OSHA:	125 ppm STEL; 545 mg/m3 STEL
		ACGIH:	100 ppm TWA/125 ppm STEL
		NIOSH:	100 ppm TWA; 435 mg/m3 TWA/125 ppm STEL; 545 mg/m3 STEL
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m3 TWAEV/125 ppm STEV; 540 mg/m3 STEV
		Mexico:	100 ppm TWA; 435 mg/m3 TWA/125 ppm STEL; 545 mg/m3 STEL
		Brazil:	78 ppm TWA; 340 mg/m3 TWA
		Source	Health Data
		NIOSH:	Eye skin
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		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
000108-10-1	Methylisobutyl ketone 1.0 - 10% by Weight	OSHA:	75 ppm STEL; 300 mg/m3 STEL
		ACGIH:	50 ppm TWA/75 ppm STEL
		NIOSH:	50 ppm TWA; 205 mg/m3 TWA/75 ppm STEL; 300 mg/m3 STEL
		Supplier:	No Established Limit
		OHSA, CAN:	50 ppm TWAEV; 205 mg/m3 TWAEV/75 ppm STEV; 305 mg/m3 STEV
		Mexico:	50 ppm TWA; 203 mg/m3 TWA/75 ppm STEL; 307 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Irritation liver
		Source	Carcinogen Data

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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
000108-88-3	Toluene 1.0 – 10% by Weight	OSHA:	150 ppm STEL; 560 mg/m3 STEL
		ACGIH:	50 ppm TWA
		NIOSH:	100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
		Supplier:	No Established Limit
		OHSA, CAN:	50 ppm TWAEV; 376 mg/m3 TWAEV
		Mexico:	100 ppm TWA; 375 mg/m3 TWA
		Brazil:	78 ppm TWA; 290 mg/m3 TWA
		Source	Health Data
		NIOSH:	Central nervous system depressant
		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
000110-43-0	Methyl n-amy ketone 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	50 ppm TWA
		NIOSH:	100 ppm TWA; 465 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	25 ppm TWAEV; 115 mg/m3 TWAEV
		Mexico:	50 ppm TWA; 235 mg/m3 TWA 100 ppm STEL; 465 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Irritation; liver kidney
		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
001305-62-0	Calcium hydroxide 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	5 mg/m3 TWA
		NIOSH:	5 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	5 mg/m3 TWAEV
		Mexico:	5 mg/m3 TWA
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Caustic irritation of all exposed body surfaces and the respiratory tract
		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
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001330-20-7	Xylenes (o-, m-, p- isomers) 1.0 – 10% by Weight	OSHA:	150 ppm STEL; 655 mg/m3 STEL
		ACGIH:	100 ppm TWA 150 ppm STEL
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m3 TWAEV 150 ppm STEV; 650 mg/m3 STEV
		Mexico:	100 ppm TWA; 435 mg/m3 TWA 150 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
001344-28-1	Aluminum oxide 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	10 mg/m3 TWA (particulate matter containing no asbestos and < 1% crystalline silica)
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	10 mg/m3 TWAEV (total dust)
		Mexico:	10 mg/m3 TWA (total dust, nuisance particulate)
		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
007631-86-9	Silica, amorphous 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	6 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	0.10 mg/m3 TWAEV
		Mexico:	No Established Limit
		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: Yes; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
013463-67-7	Titanium dioxide 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	10 mg/m3 TWA
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	10 mg/m3 TWAEV (total dust)

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Mexico:	10 mg/m3 TWA (nuisance particulate)20 mg/m3 STEL
Brazil:	No Established Limit
Source	Health Data
NIOSH:	Lung tumors in animals
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
015625-89-5	Trimethylolpropane triacrylate 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
021645-51-2	Aluminum hydroxide 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
025068-38-6	Bisphenol A – Epichlorohydrin polymer 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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

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CAS No.	Ingredient Name & %	Source	Exposure Data
028064-14-4	PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
112926-00-8	Silica gel, pptd., cryst.-free 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	10 mg/m3 TWA
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	4 mg/m3 TWAEV (total dust)
		Mexico:	No Established Limit
		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

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.		
Inhalation:	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.		
Eyes:	Causes severe eye irritation. 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 thoroughly cleaned, or discarded after each use.		
Skin:	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient). Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.		
HMIS Rating:	Health: Unknown	Flammability: Unknown	Reactivity: Unknown

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
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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 thoroughly 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: 45 C: 7
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, CO ₂ , 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

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	No Established Limit
Specific Gravity:	1.332423
Boiling Point (F):	175
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 40–100F (4–38C).
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.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	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. 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 least 300 meters (1000 feet).
Public Safety:	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).
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14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name:	PAINT	IMDG Proper Shipping Name:	PAINT
DOT Hazard Class:	3	IMDG Hazard Class:	3.2 – Intermediate flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	II	IMDG Packing Group:	II
CERCLA/DOT RQ:	694 gal. / 7701 lbs.	System Reference Code:	1

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 Product Ingredients on List

DOT Marine Pollutants (10%):

(No Product Ingredients

Listed)

DOT Severe Marine Pollutants

(1%):

(No Product Ingredients

Listed)

EPCRA 311/312 Chemicals and

RQs (>.1%) :

(No Product Ingredients

Listed)

EPCRA 302 Extremely

Hazardous (>.1%) :

(No Product Ingredients

Listed)

EPCRA 313 Toxic Chemicals

(>.1%) :

001344-28-1

Aluminum oxide

000100-41-4

Ethyl benzene

000108-10-1

Methylisobutyl ketone

000071-36-3

n-Butyl alcohol

000108-88-3

Toluene

001330-20-7

Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

001344-28-1

Aluminum oxide

001305-62-0

Calcium hydroxide

000110-43-0

Methyl n-amyl ketone

000108-10-1

Methylisobutyl ketone

112926-00-8

Silica gel, pptd., cryst.-free

007631-86-9

Silica, amorphous

013463-67-7

Titanium dioxide

000108-88-3

Toluene

001330-20-7

Xylenes (o-, m-, p- isomers)

Mass Extraordinarily Haz Sub

(>.01%) :

000106-89-8

Epichlorohydrin

000123-31-9

Hydroquinone

014808-60-7

Quartz

Penn RTK Substances (>1%) :

001344-28-1

Aluminum oxide

001305-62-0

Calcium hydroxide

000110-43-0

Methyl n-amyl ketone

000108-10-1

Methylisobutyl ketone

112926-00-8

Silica gel, pptd., cryst.-free

007631-86-9

Silica, amorphous

013463-67-7

Titanium dioxide

000108-88-3

Toluene

001330-20-7

Xylenes (o-, m-, p- isomers)

Penn Special Hazardous

Substances (>.01%) :

000106-89-8

Epichlorohydrin

000108-88-3

Toluene

Rhode Island Hazardous

Substances (>.1%) :

000108-10-1	Methylisobutyl ketone
000071-36-3	n-Butyl alcohol
000108-88-3	Toluene
RCRA Status (>.01%) :	
(No Product Ingredients Listed)	
N.J. RTK Substances (>1%) :	
(No Product Ingredients Listed)	
N.J. Special Hazardous Substances (>.01%) :	
000106-89-8	Epichlorohydrin
000100-41-4	Ethyl benzene
000123-31-9	Hydroquinone
000108-10-1	Methylisobutyl ketone
000071-36-3	n-Butyl alcohol
012136-45-7	Potassium oxide
000108-88-3	Toluene
001330-20-7	Xylenes (o-, m-, p- isomers)
N.J. Env. Hazardous Substances (>.1%) :	
001344-28-1	Aluminum oxide
000100-41-4	Ethyl benzene
000108-10-1	Methylisobutyl ketone
000071-36-3	n-Butyl alcohol
000108-88-3	Toluene
001330-20-7	Xylenes (o-, m-, p- isomers)
Proposition 65 – Carcinogens (>0%):	
000100-41-4	Ethyl benzene
000050-00-0	Formaldehyde
014808-60-7	Quartz
Proposition 65 – Female Repro Toxins (>0%):	
(No Product Ingredients Listed)	
Proposition 65 – Male Repro Toxins (>0%):	
(No Product Ingredients Listed)	
Proposition 65 – Developmental Toxins (>0%):	
(No Product Ingredients Listed)	

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 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

International Paint, LLC, 6001 Antoine Drive, Houston, Texas 77091. <http://www.international-pc.com> or <http://www.international-marine.com>

End Of Document

MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

R3330 MAX COR CF		MSDS Revision No: E1 -	MSDS Revision Date: 09/12/2007
	Akzo Nobel Coatings	EMERGENCY NUMBERS:	
	Awlgrip North America	(800) 424-9300	CHEMTREC (USA)
	2270 Morris Avenue	(703) 527-3887	CHEMTREC (Intl)
	P. O. Box 386	(800) 854-6813	Poison Control Center
	Union, NJ 07083	CUSTOMER SERVICE: (Non-Emergency)	(888) 355-3090 AWLGRIP (Phone)
		(908) 686-1752	AWLGRIP (Fax)

1. GENERAL INFORMATION

Product Identity: R3330 MAX COR CF

Bulk Sales Reference No: OR3330

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
000090-72-2	TRI(DIMETHYLAMINOMETHYL)PHENOL 1.0 - 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
000095-63-6	Pseudocumene 1.0 - 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	25 ppm TWA; 125 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
000100-51-6	Benzyl alcohol 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
000108-67-8	TRIMETHYLBENZENE 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	25 ppm TWA; 125 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
000108-88-3	Toluene 25 – 50% by Weight	OSHA:	150 ppm STEL; 560 mg/m3 STEL
		ACGIH:	50 ppm TWA
		NIOSH:	100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
		Supplier:	No Established Limit
		OHSA, CAN:	50 ppm TWAEV; 376 mg/m3 TWAEV
		Mexico:	100 ppm TWA; 375 mg/m3 TWA
		Brazil:	78 ppm TWA; 290 mg/m3 TWA
		Source	Health Data
		NIOSH:	Central nervous system depressant
		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
001477-55-0	m-Xylene-alpha, alpha'-diamine 1.0 – 10% by Weight	OSHA:	0.1 mg/m3 Ceiling
		ACGIH:	0.1 mg/m3 Ceiling
		NIOSH:	0.1 mg/m3 Ceiling
		Supplier:	No Established Limit
		OHSA, CAN:	0.1 mg/m3 CEV

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Mexico:	0.1 mg/m3 TWA 0.1 mg/m3 STEL
Brazil:	No Established Limit
Source	Health Data
NIOSH:	Skin irritation systemic effects
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
064742-95-6	Petroleum naphtha, light aromatic 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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
TS-KH0216	Related Siloxanes and Silane Esters 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		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

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.
Inhalation:	May be harmful or fatal if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes:	Causes eye burns. 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 thoroughly cleaned, or discarded after each use.
Skin:	Causes skin burns. May be harmful if absorbed through the skin.
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient).

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HMIS Rating:	Health: Unknown	Flammability: Unknown	Reactivity: Unknown
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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 thoroughly 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: 45 C: 7
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

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	No Established Limit

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Specific Gravity:	0.945758
Boiling Point (F):	231
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 40–100F (4–38C).
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.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	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. 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 least 300 meters (1000 feet). Also, Reference Emergency Response Guide Number: 127
Public Safety:	

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).
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14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation) DOT Proper Shipping Name:	IMO / IMDG (Ocean Transportation) IMDG Proper Shipping Name:
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PAINT		PAINT	
DOT Hazard Class:	3	IMDG Hazard Class:	3.2 – Intermediate flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	II	IMDG Packing Group:	II
CERCLA/DOT RQ:	280 gal. / 2204 lbs.	System Reference Code:	1

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 Product Ingredients on List

DOT Marine Pollutants (10%):
 (No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
 (No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%):
 (No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous (>.1%):
 (No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%):
 000098-82-8 Cumene
 000067-56-1 Methyl alcohol
 000095-63-6 Pseudocumene
 000108-88-3 Toluene
 001330-20-7 Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%):
 000100-51-6 Benzyl alcohol
 001477-55-0 m-Xylene-alpha, alpha'-diamine
 000095-63-6 Pseudocumene
 000108-88-3 Toluene
 000108-67-8 TRIMETHYLBENZENE

Mass Extraordinarily Haz Sub (>.01%):
 000107-15-3 Ethylene diamine

Penn RTK Substances (>1%):
 000100-51-6 Benzyl alcohol
 001477-55-0 m-Xylene-alpha, alpha'-diamine
 000095-63-6 Pseudocumene
 000108-88-3 Toluene

Penn Special Hazardous Substances (>.01%):
 000108-88-3 Toluene

Rhode Island Hazardous Substances (>.1%):
 000067-56-1 Methyl alcohol
 000108-88-3 Toluene

RCRA Status (>.01%):
 (No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
(No Product Ingredients
Listed)

N.J. Special Hazardous
Substances (>.01%) :

000098-82-8	Cumene
000107-15-3	Ethylene diamine
000067-56-1	Methyl alcohol
000108-88-3	Toluene
000112-24-3	Triethylene tetramine
001330-20-7	Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances
(>.1%) :

000098-82-8	Cumene
000067-56-1	Methyl alcohol
000095-63-6	Pseudocumene
000108-88-3	Toluene
001330-20-7	Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens
(>0%):

(No Product Ingredients
Listed)

Proposition 65 – Female Repro

Toxins (>0%):

(No Product Ingredients
Listed)

Proposition 65 – Male Repro

Toxins (>0%):

(No Product Ingredients
Listed)

Proposition 65 – Developmental

Toxins (>0%):

(No Product Ingredients
Listed)

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 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

International Paint, LLC, 6001 Antoine Drive, Houston, Texas 77091. <http://www.international-pc.com> or <http://www.international-marine.com>

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