

SECTION 1 - Product and Company Identification

Manufacturer: E.I. du Pont de Nemours & Co.
Du Pont Performance Coatings
Wilmington, DE, 19898

Telephone: Product information: (800) 441-7515
Medical emergency: (800) 441-3637
Transportation emergency: (800) 424-9300
(CHEMTREC)

Product: **Two Component Waterborne Paint and Activators**

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section 10.

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Deep organic red pigment	2786-76-7	None	A 3.0 mg/m3 TWA Respirable Dust A 10.0 mg/m3 TWA inhalable dust O 15.0 mg/m3 TWA Total Dust O 5.0 mg/m3 TWA Respirable Dust
Diarylide orange	15793-73-4	None	A None O None
Ethylene glycol monobutyl ether	111-76-2	0.6	A 20.0 ppm O 50.0 ppm Skin D 5.0 ppm Skin

SECTION 2 - Composition/information on ingredients

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
1,6-hexamethylene diisocyanate	822-06-0	0.0@25.0°C	A 5.0 ppb O None
2-propoxyethanol	2807-30-9	1.3@25.0°C	S 60.0 ppm 15 min STEL Skin S 20.0 ppm Skin A None O None
Acrylic polymer	NotAvail	None	A None O None
Aliphatic polyisocyanate resin	28182-81-2	None	S 1.0 mg/m3 15 min STEL S 0.5 mg/m3 A None O None
Aluminum hydrate	21645-51-2	None	A None O None
Amorphous silica	7631-86-9	None	A 10.0 mg/m3 Total Dust O 20.0 mppcf D 3.0 mg/m3
Barium sulfate	7727-43-7	None	A 10.0 mg/m3 Total Dust A 5.0 mg/m3 Respirable Dust O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust D 10.0 mg/m3 Total Dust
Bisphenol a/epoxy,phenolic resin	NotAvail	None	A None O None
Carbon black	1333-86-4	None	A 3.5 mg/m3 O 3.5 mg/m3 D 0.5 mg/m3 8 & 12 hour TWA
Light lemon yellow oxide pigment	51274-00-1	None	A None O None
Organic yellow primrose	12225-18-2	None	A None O None
Phthalocyanine blue pigment	147-14-8	None	A 10.0 mg/m3 inhalable dust PNOC A 3.0 mg/m3 respirable particulate PNOC O 15.0 mg/m3 Total Dust PNOR O 5.0 mg/m3 TWA Respirable Dust PNOR
Polyether modified dimethylpolysiloxane	NotAvail	None	A None O None
Polyethylene amine mixture	NotAvail	None	A None O None
Polyurethane polyol resin	68551-65-5	18.5@21.0°C	A None O None
Propylene glycol methyl ether	107-98-2	11.2@77.0°F	A 150.0 ppm 15 min STEL A 100.0 ppm O None
Reactive diluent e	NotAvail	None	A None O None
Titanium dioxide	13463-67-7	None	A 10.0 mg/m3 O 15.0 mg/m3 Total Dust D 10.0 mg/m3 Total Dust D 5.0 mg/m3

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Trade secret	NotAvail	None	A None O None
Water	7732-18-5	23.6	A None O None

*A=ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified. Vapor pressure @20°C unless otherwise noted.

SECTION 3 - Hazards identification

Potential Health Effects:

Inhalation:

May cause nose and throat irritation. May cause nervous system depression, characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product contains or is mixed with an isocyanate activator/hardener, the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion:

May result in gastrointestinal distress

Skin or Eye Contact:

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Other Potential Health Effects in addition to those listed above:

1,6-hexamethylene diisocyanate

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Overexposure may cause damage to any of the following organs/systems: lungs, skin. Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of the following: irritation.

2-propoxyethanol

May destroy red blood cells. Tests in laboratory animals have shown that overexposure can have effects on any of the following organs/systems: kidneys. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. The following medical conditions may be aggravated by overexposure: asthma, dermatitis, pulmonary conditions.

Acrylic polymer

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: skin.

Aliphatic polyisocyanate resin

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of

the following: irritation.

Carbon black

Is an IARC, NTP or OSHA carcinogen. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. The following medical conditions may be aggravated by exposure: asthma, respiratory disease.

WARNING: This chemical is known to the State of California to cause cancer.

Diarylide orange

No known hazard with normal industrial use

Ethylene glycol monobutyl ether

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, central nervous system, eyes, gastrointestinal system, kidneys, liver, respiratory system, skin. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. If absorbed through the skin, may be: harmful. DuPont has classified this as: not likely to be a human carcinogen.

Organic yellow primrose

Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. May cause eye irritation with discomfort, tearing, or blurred vision. Ingestion may cause any of the following: dizziness, gastrointestinal irritation. Inhalation of high vapor concentrations may cause any of the following: dizziness, drowsiness, irritation to the nose, irritation to throat.

Polyethylene amine mixture

May cause abnormal kidney function. May cause abnormal liver function.

Polyurethane polyol resin

Ingestion may cause any of the following: irritation. Skin contact may cause any of the following: irritation. Eye contact may cause any of the following: conjunctivitis, corneal injury. Inhalation may cause any of the following: irritation.

Propylene glycol methyl ether

Tests in laboratory animals have shown effects on any of the following organs/systems: kidneys, liver. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Titanium dioxide

In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace.

SECTION 4 - First aid measures

First Aid Procedures:

Inhalation:

If affected by inhalation of vapor or spray mist, move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Ingestion:

In the unlikely event of ingestion, DO NOT INDUCE VOMITING. Call a physician immediately and have names of ingredients available.

Skin or Eye Contact:

In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, contact a physician.

SECTION 5 - Fire-fighting measures

Flash Point (Closed Cup): See Section 11 for exact values

Flammable Limits: LFL 0% UFL 0%

Extinguishing Media:

Universal aqueous film-forming foam, carbon dioxide, dry chemical.

Fire Fighting Procedures:

Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Fire and Explosion Hazards:

For flammable liquids, vapor/air will ignite when an ignition source is present. In other cases, when heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

SECTION 6 - Accidental release measures

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

Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are: 20% Surfactant (Tergitol TM 10) and 80% Water OR 0-10% Ammonia, 2-5% Detergent and Water (balance) Con fine and remove with inert absorbent. Pressure can be generated. Do not seal waste containers for 48 hours to allow CO2 to vent. After 48 hours, material may be sealed and disposed of properly.

SECTION 7 - Handling and storage

Precautions to be taken in handling and storing:

Observe label precautions. If combustible (flashpoint between 100-200 .F), keep away from heat, sparks and flame. If flammable (flashpoint less than 100. F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than 20. F) or flammable, VAPORS MAY IGNITE EXPLOSIVELY OR CAUSE FLASH FIRE, respectively. Vapors may spread long distances. Prevent buildup of vapors. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 .F. If product is waterbased do not freeze.

Other precautions:

If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation, and gloves.

SECTION 8 - Exposure controls / personal protection

Engineering controls and work practices:

Ventilation:

Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

Respiratory protection

Do not breathe vapors or mists. If this product contains isocyanates or is used with an isocyanate activator/hardener, wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C) while mixing activator/hardener with paint, during application and until all vapors and spray mist are exhausted. If product does not contain or is not mixed with an isocyanate activator/hardener, a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH TC-23C) and particulate filter (NIOSH TC-84A) may be used. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the

painting area. Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed vapor or spray mist if product contains or is mixed with isocyanate activators/hardeners.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Skin protection

Neoprene gloves and coveralls are recommended.

Eye protection

Desirable in all industrial situations. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

SECTION 9 - Physical and chemical properties

Evaporation rate	Slower than Ether
Solubility in Water	NIL
Vapor Density	Heavier than air
Approx. Boiling Range(°C)	No Data Available
Approx. Freezing Range(°C)	No Data Available
Gallon weight (lbs/gal)	8.53 - 13.64
Specific Gravity	1.02 - 1.63
Percent Volatile by Volume	0.19 - 78.85
Percent Volatile by Weight	0.16 - 75.30
Percent Solid by Volume	21.15 - 99.82
Percent Solid by Weight	24.70 - 99.84

SECTION 10 - Stability and reactivity

Stability:

Stable

Incompatibility (materials to avoid):

None reasonably foreseeable

Hazardous Decomposition Products:

CO, CO2, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

Hazardous Polymerization:

Will not occur.

Sensitivity to Static Discharge:

For flammable materials (flashpoint less than 100 deg F) and combustibles (flashpoint between 100-200 deg F) if heated above the flashpoint, solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.

Sensitivity to Mechanical Impact:

None known

SECTION 11 - Additional Information

Product Code

Ingredients (Product Specific)

145H12059TM 2-propoxyethanol(3.8%*), Amorphous silica(3.6%), Barium sulfate(6.6%), Bisphenol a/epoxy,phenolic resin(20.6%), Ethylene glycol monobutyl ether(1.7%*), Propylene glycol methyl ether(4.3%), Titanium dioxide(23.4%), Trade secret(1.3%), Water(33.0%)

GAL WT: 11.53 WT PCT SOLIDS: 55.80 VOL PCT SOLIDS: 37.47

SOLVENT DENSITY: 8.15 VOC LE: 2.4 VOC AP: 1.3

FLASH POINT: 141°F - 200°F H: 3 F: 2 R: 0 OSHA STORAGE: IIIA

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

145H28033TM 2-propoxyethanol(3.8%*), Amorphous silica(3.6%), Barium sulfate(6.6%), Bisphenol a/epoxy,phenolic resin(20.6%), Ethylene glycol monobutyl ether(1.7%*), Propylene glycol methyl ether(4.3%),

Titanium dioxide(23.4%), Trade secret(1.3%), Water(33.0%)
GAL WT: 11.53 WT PCT SOLIDS: 55.80 VOL PCT SOLIDS: 37.47
SOLVENT DENSITY: 8.15 VOC LE: 2.4 VOC AP: 1.3
FLASH POINT: 141°F - 200°F H: 3 F: 2 R: 0 OSHA STORAGE: IIIA
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67522™ Carbon black(0.2%), Light lemon yellow oxide pigment(1.3%), Polyether modified dimethylpolysiloxane(1.7%), Polyurethane polyol resin(45.2%), Titanium dioxide(8.4%), Water(40.7%)
GAL WT: 9.59 WT PCT SOLIDS: 59.26 VOL PCT SOLIDS: 53.02
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67525™ Phthalocyanine blue pigment(1.7%), Polyether modified dimethylpolysiloxane(1.7%), Polyurethane polyol resin(44.7%), Titanium dioxide(7.9%), Water(41.5%)
GAL WT: 9.50 WT PCT SOLIDS: 58.47 VOL PCT SOLIDS: 52.57
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67521™ Aluminum hydrate(1.2%), Amorphous silica(1.4%), Polyurethane polyol resin(27.3%), Titanium dioxide(44.4%), Water(22.8%)
GAL WT: 13.63 WT PCT SOLIDS: 77.18 VOL PCT SOLIDS: 62.58
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67520™ Aluminum hydrate(1.2%), Amorphous silica(1.4%), Polyurethane polyol resin(27.2%), Titanium dioxide(44.2%), Water(22.9%)
GAL WT: 13.64 WT PCT SOLIDS: 77.10 VOL PCT SOLIDS: 62.44
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67530™ Aluminum hydrate(1.2%), Amorphous silica(1.4%), Polyurethane polyol resin(27.5%), Titanium dioxide(44.7%), Water(22.8%)
GAL WT: 13.63 WT PCT SOLIDS: 77.25 VOL PCT SOLIDS: 62.72
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67527™ Acrylic polymer(1.1%), Organic yellow primrose(2.8%), Polyether modified dimethylpolysiloxane(1.5%), Polyurethane polyol resin(39.5%), Titanium dioxide(11.2%), Water(41.8%)
GAL WT: 9.72 WT PCT SOLIDS: 58.25 VOL PCT SOLIDS: 51.23
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67529™ Light lemon yellow oxide pigment(1.8%), Organic yellow primrose(1.6%), Polyether modified dimethylpolysiloxane(1.8%), Polyurethane polyol resin(48.2%), Titanium dioxide(1.4%), Water(42.9%)
GAL WT: 9.13 WT PCT SOLIDS: 57.06 VOL PCT SOLIDS: 52.84
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67502™ Phthalocyanine blue pigment(6.1%), Polyether modified dimethylpolysiloxane(1.5%), Polyurethane polyol resin(39.8%), Titanium dioxide(7.0%), Water(43.2%)
GAL WT: 9.53 WT PCT SOLIDS: 56.81 VOL PCT SOLIDS: 50.49
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67526™ Carbon black(3.7%), Polyether modified dimethylpolysiloxane(1.7%), Polyurethane polyol resin(45.7%), Water(46.7%)
GAL WT: 8.99 WT PCT SOLIDS: 53.34 VOL PCT SOLIDS: 49.60
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67519™ Aluminum hydrate(1.1%), Amorphous silica(1.4%), Polyurethane polyol resin(26.5%), Titanium dioxide(43.0%), Water(23.7%)
GAL WT: 13.52 WT PCT SOLIDS: 76.29 VOL PCT SOLIDS: 61.45
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67500™ Aluminum hydrate(1.2%), Amorphous silica(1.4%), Polyurethane polyol resin(27.5%), Titanium dioxide(44.7%), Water(22.8%)
GAL WT: 13.62 WT PCT SOLIDS: 77.25 VOL PCT SOLIDS: 62.73
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67503™ Polyether modified dimethylpolysiloxane(1.5%), Polyurethane polyol resin(40.3%), Titanium dioxide(15.9%), Water(39.1%)
GAL WT: 10.16 WT PCT SOLIDS: 60.89 VOL PCT SOLIDS: 52.22
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67512™ Aluminum hydrate(1.2%), Amorphous silica(1.4%), Polyurethane polyol resin(27.3%), Titanium dioxide(44.4%), Water(22.8%)
GAL WT: 13.63 WT PCT SOLIDS: 77.18 VOL PCT SOLIDS: 62.59
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230-67528™ Acrylic polymer(1.6%), Deep organic red pigment(4.9%), Diarylide orange(3.4%), Light lemon yellow oxide pigment(4.1%), Polyether modified dimethylpolysiloxane(1.3%), Polyurethane polyol resin(34.9%), Titanium dioxide(4.0%), Water(43.6%)
GAL WT: 9.57 WT PCT SOLIDS: 56.37 VOL PCT SOLIDS: 49.69
SOLVENT DENSITY: 8.28 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

230P™ Polyether modified dimethylpolysiloxane(2.0%), Polyurethane polyol resin(53.6%), Water(42.9%)
GAL WT: 8.90 WT PCT SOLIDS: 57.11 VOL PCT SOLIDS: 54.09
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

240P™ Polyether modified dimethylpolysiloxane(1.9%), Polyurethane polyol resin(49.0%), Water(47.8%)
GAL WT: 8.85 WT PCT SOLIDS: 52.23 VOL PCT SOLIDS: 49.18
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

RKH-26300™ Polyether modified dimethylpolysiloxane(2.0%), Polyurethane polyol resin(53.6%), Water(42.9%)
GAL WT: 8.90 WT PCT SOLIDS: 57.11 VOL PCT SOLIDS: 54.09
SOLVENT DENSITY: 8.32 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

VFH-12050™ 1,6-hexamethylene diisocyanate(0.2%*), Aliphatic polyisocyanate resin(96.7%), Reactive diluent e(2.8%)
GAL WT: 9.69 WT PCT SOLIDS: 99.84 VOL PCT SOLIDS: 99.82
SOLVENT DENSITY: 8.23 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200°F H: 3 F: 1 R: 1 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

VFH-12059™ 2-propoxyethanol(16.5%*), Polyethylene amine mixture(24.7%), Water(58.0%)
GAL WT: 8.53 WT PCT SOLIDS: 24.70 VOL PCT SOLIDS: 21.15
SOLVENT DENSITY: 8.15 VOC LE: 3.6 VOC AP: 1.5
FLASH POINT: 141°F - 200°F H: 3 F: 2 R: 0 OSHA STORAGE: IIIA

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

VFH-28900™ 1,6-hexamethylene diisocyanate(0.2%*@), Aliphatic polyisocyanate resin(96.5%), Reactive diluent e(2.8%)
GAL WT: 9.69 WT PCT SOLIDS: 99.84 VOL PCT SOLIDS: 99.82
SOLVENT DENSITY: 8.22 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Above 200° F H: 3 F: 1 R: 1 OSHA STORAGE: IIIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

Footnotes:

TSCA: in compliance = In compliance with TSCA Inventory requirements for commercial purposes.

ACGIH = American Conference of Government Industrial Hygienists.

IARC = International agency for Research on Cancer.

NTP = National Toxicology Program.

OSHA = Occupational Safety and Health Administration.

PNOR = Particles Not Otherwise Regulated.

PNOC = Particles Not Otherwise Classified.

STEL = Short Term Exposure Limit.

TWA = Time Weighted Average.

TM = Is a Trademark of E.I. du Pont de Nemours & Co.

* = Section 313 Supplier Notification: These chemicals are subject to the reporting requirements of Section 313 of the Emergency planning and Right-to-Know act of 1986 and of 40 CFR 372.

@ = Clean Air Act Hazardous Air Pollutant.

= EPCRA Section 302 - Extremely Hazardous Substance.

NOTICE:

The information on this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Product Manager - Refinish Sales
Prepared by: HazCom Coordinator