

SECTION 1. Identification of the substance/preparation and of the company/undertaking

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

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

Product: **Imron® Elite™ Related Products**

DOT Shipping Name: See DOT Addendum.

Hazardous Materials Information: See Section 10.

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SECTION 2. Composition/information on ingredients

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
1,2,4-trimethyl benzene	95-63-6	7.0@44.4°C	A 25.0 ppm O 25.0 ppm
1,6-hexamethylene diisocyanate	822-06-0	0.0@25.0°C	A 5.0 ppb O None
2,4-pentanedione	123-54-6	9.0	D 5.0 ppm 8 & 12 hour TWA A None O None
2-ethylhexyl acetate	103-09-3	0.5	A None O None
2-methyl butyl acetate	624-41-9	None	A 100.0 ppm 15 min STEL A 50.0 ppm O None
4,6-dimethyl-2-heptanone	19549-80-5	None	A None O None
4-chlorobenzotrifluoride	98-56-6	7.6@25.0°C	D 20.0 ppm 8 & 12 hour TWA A None O None
Acetic acid	64-19-7	15.4	A 15.0 ppm 15 min STEL A 10.0 ppm O 10.0 ppm D 10.0 ppm 8 & 12 hour TWA
Acetone	67-64-1	247.0@68.0°F	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Acrylic polymer-A	NotAvail	None	D 500.0 ppm 8 & 12 hour TWA A None O None
Acrylic polymer-B	104032-39-5	None	A None O None
Acrylic resin	NotAvail	None	A None O None
Additive	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	7429-90-5	None	A 10.0 mg/m3 particulate A 5.0 mg/m3 Dust O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS	INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	41556-26-7	None	A None O None				Sn O 0.1 mg/m3 Sn
Bismuth vanadium oxide	14059-33-7	None	A None O None	Dibutyltin diacetate	1067-33-0	1.7	A 0.1 mg/m3 Skin Sn
Butanedioic acid, dimethyl ester	106-65-0	None	D 10.0 mg/m3 A None O None				Sn O 0.1 mg/m3 Skin Sn
Butyl acetate	123-86-4	10.0	A 200.0 ppm 15 min STEL A 150.0 ppm O 150.0 ppm	Diisobutyl ketone	108-83-8	1.8	A 25.0 ppm O 50.0 ppm
C.i. pigment blue 60	81-77-6	None	A None O None	Dimethyl glutarate	1119-40-0	0.2	D 10.0 mg/m3 A None O None
C.i. pigment red 254	84632-65-5	None	A None O None	Ethyl 3-ethoxy propionate	763-69-9	1.1@25.0°C	A None O None
C.i. pigment yellow 154	68134-22-5	None	A None O None	Ethyl acetate	141-78-6	93.2@25.0°C	A 400.0 ppm O 400.0 ppm
Calcium carbonate	471-34-1	None	A 10.0 mg/m3 O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust	Ethylbenzene	100-41-4	7.0	A 125.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 25.0 ppm 8 & 12 hour TWA
Carbazole violet pigment	6358-30-1	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 D 5.0 ppm
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	Heavy mineral spirits	64741-65-7	10.0@25.0°C	D 100.0 ppm A None O None
Chromium hydroxide	1308-14-1	None	A 0.5 mg/m3 Cr O 0.5 mg/m3 Cr	Heptane	142-82-5	45.0@66.0°F	A 500.0 ppm 15 min STEL A 400.0 ppm O 500.0 ppm
Chromium(iii) oxide (2:3)	1308-38-9	None	A 0.5 mg/m3 Cr O 0.5 mg/m3 Cr	Hexanedioic acid, dimethyl ester	627-93-0	None	D 10.0 mg/m3 A None O None
Ci pigment blue 76	68987-63-3	None	A None O None	Hydrotreated heavy naphtha (petroleum)	64742-48-9	3.3@68.0°F	A None O None
Cumene	98-82-8	3.7	A 50.0 ppm O 50.0 ppm Skin	Iron hydroxide	20344-49-4	None	A None O None
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidiny ester	82919-37-7	None	A None O None	Iron oxide-A	1309-37-1	None	A 5.0 mg/m3 Respirable Dust O 10.0 mg/m3 D 3.0 mg/m3
Dibutyl tin dilaurate	77-58-7	0.2@160.0°C	A 0.2 mg/m3 15 min STEL Sn A 0.1 mg/m3	Iron oxide-B	51274-00-1	None	A 5.0 mg/m3

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS	INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Isoindolinone pigment	36888-99-0	None	O 10.0 mg/m3 A None O None				inhalable dust Mo O 15.0 mg/m3 TWA Total Dust
Isopropyl alcohol	67-63-0	48.0	A 400.0 ppm 15 min STEL A 200.0 ppm O 400.0 ppm D 200.0 ppm 8 & 12 hour TWA	Monoazo pigment	12236-62-3	None	A 10.0 mg/m3 inhalable dust particulate O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust
Kaolin	1332-58-7	None	A 2.0 mg/m3 Respirable Dust O 15.0 mg/m3 TWA Total Dust O 5.0 mg/m3 TWA Respirable Dust	N-pentyl propionate	624-54-4	1.5	A None O None
Ketone solvent	71808-49-6	5.8@100.0°C	A None O None	Organic amide	NotAvail	None	A None O None
Medium mineral spirits	64742-88-7	0.3@68.0°F	D 50.0 ppm 8 & 12 hour TWA A None O None	Perylene maroon	5521-31-3	None	A None O None
Methyl acetate	79-20-9	171.3@68.0°F	A 250.0 ppm 15 min STEL A 200.0 ppm O 200.0 ppm	Phthalocyanine blue pigment	147-14-8	None	A 10.0 mg/m3 inhalable dust PNOG A 3.0 mg/m3 respirable particulate PNOG O 15.0 mg/m3 Total Dust PNOR O 5.0 mg/m3 TWA Respirable Dust PNOR
Methyl amyl ketone	110-43-0	3.4	A 50.0 ppm O 100.0 ppm	Phthalocyanine green	1328-53-6	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
Methyl ethyl ketone	78-93-3	71.2	A 300.0 ppm 15 min STEL A 200.0 ppm O 200.0 ppm D 300.0 ppm 15 min TWA D 200.0 ppm 8 & 12 hour TWA	Pigment red 202	3089-17-6	None	A 3.0 mg/m3 Respirable Dust A 10.0 mg/m3 inhalable dust PNOR O 5.0 mg/m3 Respirable Dust PNOR O 15.0 mg/m3
Mica	12001-26-2	None	A 3.0 mg/m3 Respirable Dust O 20.0 mppcf O 3.0 mg/m3 Respirable Dust				
Mica coated with tio2	NotAvail	None	A 3.0 mg/m3 Respirable Dust Mica O 3.0 mg/m3 Respirable Dust Mica				
Molybdate/calcium	7789-82-4	None	A 3.0 mg/m3 respirable particulate Mo A 10.0 mg/m3 TWA	Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl	104810-48-2	None	A None

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS	INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Polyester resin-A	NotAvail	None	O None A None O None	Triethylenediamine	280-57-9	None	Total Dust D 5.0 mg/m3 Respirable Dust A None O None
Polyester resin-B	129922-22-1	None	A None O None	Ultraviolet absorber	104810-47-1	None	A None O None
Polyester resin-C	69153-52-2	None	A None O None	Vm&p naphtha	8032-32-4	17.9@68.0°F	A 300.0 ppm D 100.0 ppm O None
Polyethylene glycol	25322-68-3	None	A None O None	Weather resistant mixture	NotAvail	None	A None O None
Primary amyl acetate	628-63-7	4.2	A 100.0 ppm 15 min STEL A 50.0 ppm O 100.0 ppm	Xylene	1330-20-7	8.0@25.0°C	A 150.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 150.0 ppm 15 min STEL D 100.0 ppm 8 & 12 hour TWA
Proprietary copper compound	NotAvail	None	A None O None	Zinc salt	NotAvail	None	A None O None
Quinacridone pigment	1047-16-1	None	A 10.0 mg/m3 inhalable dust A 3.0 mg/m3 O 15.0 mg/m3 Total Dust PNOR O 5.0 mg/m3 Respirable Dust D 10.0 mg/m3 Total Dust	*A=ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified. Vapor pressure @ 20° C unless otherwise noted.			
Stoddard solvent	8052-41-3	None	A 100.0 ppm O 500.0 ppm TWA D 100.0 ppm 15 min STEL D 50.0 ppm 8 & 12 hour TWA	SECTION 3. Hazards identification			
Synthetic resin	NotAvail	None	A None O None	Potential Health Effects:			
Tetraethyl orthosilicate	78-10-4	<2.0	A 10.0 ppm O 100.0 ppm	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.			
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 Respirable Dust	Ingestion: May result in gastrointestinal distress.			
Titanium dioxide (rutile)	1317-80-2	None	A 10.0 mg/m3 TWA Total Dust O 10.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust D 10.0 mg/m3	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:
2,4-pentanedione
2,4-pentanedione, a component of this product, is regulated by the U.S. EPA, under a significant new use rule. It is a violation of federal law to sell or use this product in consumer applications, including to private individuals, schools, and vocational schools. Can be absorbed through the

skin in harmful amounts. Repeated exposures to high concentrations has caused adverse health effects in laboratory animals. These effects involved the central nervous system, immune system, and the red blood cell forming system. No effect was seen at 100 ppm. The odor is disagreeable at a few ppm. Repeated or prolonged skin contact may cause any of the following: skin sensitization. Skin or eye contact may cause any of the following: irritation. Overexposure of this substance may cause effects on any of the following organs/systems: central nervous system, lungs, upper respiratory system, thymus.

4-chlorobenzotrifluoride

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: skin. Prolonged or repeated exposure may cause damage to any of the following organs/systems: kidneys, liver, thyroid. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Ingestion may cause any of the following: gastrointestinal irritation. Eye contact may cause any of the following: permanent eye injury. Inhalation may cause any of the following: stupor (central nervous system depression), respiratory tract irritation.

Acetic acid

Ingestion may cause any of the following: burns to mouth and stomach. Skin or eye contact may cause any of the following: irritation, burns.

Acetone

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, 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.

Aluminum salt

Eye contact may cause any of the following: irritation.

Aromatic hydrocarbon

The following medical conditions may be aggravated by exposure: skin disorders. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate

Repeated exposure may cause allergic skin rash, itching, swelling.

Butyl acetate

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

C.i. pigment yellow 154

Inhalation may cause any of the following: respiratory tract irritation. 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.

Dibutyltin diacetate

If ingested, may be: harmful. Skin contact may cause any of the following: severe irritation, burns. Eye contact may cause any of the following: burns, blindness, eye corrosion.

Diisobutyl ketone

The following medical conditions may be aggravated by exposure: asthma, blood, dermatitis. Contact may cause skin irritation with discomfort or rash. Repeated exposure may cause allergic skin rash, itching, swelling. This substance may cause damage to any of the following organs/systems: eyes, kidneys, liver. Extremely high oral and inhalation doses in laboratory animals have shown weight changes in various organs such as the liver, kidney, brain, heart and adrenal gland. In addition liver and kidney injury were observed at the extremely high inhalation level. In another inhalation study there was a slight depression in the white blood cell count. Liquid or vapor causes irritation, experienced as stinging, excess blinking and tear production, with excess redness and swelling of the conjunctiva.

Ethyl acetate

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver.

Ethylbenzene

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects.

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

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.

Heavy mineral spirits

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Heptane

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, respiratory system, skin. May cause central nervous system effects such as dizziness, headache, nausea, and loss of consciousness. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Hydrotreated heavy naphtha (petroleum)

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Isopropyl alcohol

The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

Kaolin

The following medical conditions may be aggravated by exposure: asthma, dermatitis. Repeated or prolonged inhalation may cause any of the following: lung injury.

Ketone solvent

Inhalation may cause any of the following: drowsiness, respiratory tract irritation. Skin or eye contact may cause any of the following: irritation.

Medium mineral spirits

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. This substance may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, lungs, reproductive system, skin. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Methyl ethyl ketone

Material is irritating to mucous membranes and upper respiratory tract. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, eyes, respiratory system, skin. Prolonged or repeated overexposure may cause any of the following: conjunctivitis, dermatitis. High concentrations have caused embryotoxic effects in laboratory animals. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

Mica

Repeated or prolonged inhalation may cause any of the following: lung irritation. Long-term respiratory exposure exceeding TLV may damage the lungs, leading to bronchitis and impairment of lung capacity.

Mica coated with tio2

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. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace. Repeated and prolonged overexposure may lead to chronic lung disease.

Molybdate/calcium

If ingested, may be: harmful or fatal.

Organic amide

Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision.

Poly(oxy-1,2-ethanediy),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl

The following medical conditions may be aggravated by exposure: jaundice, liver disease, allergies, kidney disorders, skin disorders. Skin contact may cause any of the following: allergic skin rash, skin sensitization.

Polyester resin-C

Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision.

Proprietary copper compound

Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision.

Stoddard solvent

The following medical conditions may be aggravated by exposure: asthma, skin disorders. Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Tetraethyl orthosilicate

Overexposure may cause damage to any of the following organs/systems: kidneys, liver, lungs.

Titanium dioxide

Is an IARC, NTP or OSHA carcinogen. 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. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Titanium dioxide (rutile)

Is an IARC, NTP or OSHA carcinogen. 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. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Ultraviolet absorber

The following medical conditions may be aggravated by exposure: jaundice, liver disease, allergies, kidney disorders, skin disorders. Skin contact may cause any of the following: allergic skin rash, skin sensitization.

Vm&p naphtha

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs, respiratory system, skin. This substance may cause damage to any of the following organs/systems: central nervous system, kidneys, liver, lungs, skin and eyes. Material may be harmful or fatal if swallowed.

Xylene

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, cardiovascular system, central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. High exposures may produce irregular heart beats. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. Repeated or prolonged skin contact may cause any of the following: irritation, dryness, cracking of the skin.

Zinc salt

Skin contact may cause any of the following: irritation.

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 0.5 % UFL 13 %

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

Procedures for cleaning up spills or leaks:

Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. If material does not contain or is not mixed with an isocyanate activator/hardener: Wear a properly fitted air-purifying

respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine, remove with inert absorbent, and dispose of properly. If the material contains, or is mixed with an isocyanate activator/hardener: 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 TMN 10) and 80% Water OR 0-10% Ammonia, 2-5% Detergent and Water (balance). 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.

Ecological information:

There is no data available on the product. The product should not be allowed to enter drains, water courses or the soil.

SECTION 7. Handling and storage

Precautions to be taken in handling and storing:

Observe label precautions. If combustible (flashpoint between 100 - 200 deg F), keep away from heat, sparks and flame. If flammable (flashpoint less than 100 deg F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than 20 deg 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 deg 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 air purifying respirator with particulate filters 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
Water solubility	NIL
Vapour density	Heavier than air
Approx. Boiling Range (°C)	55.6 - 350 °C
Approx. Freezing Range (°C)	-134.4 - -83 °C
Gallon Weight (lbs/gal)	6.82 - 23.26
Specific Gravity	0.82 - 2.79
Percent Volatile By Volume	6.99 - 100.00
Percent Volatile By Weight	5.00 - 100.00
Percent Solids By Volume	0.00 - 93.01
Percent Solids By Weight	0.00 - 95.00

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

194S™ 1,6-hexamethylene diisocyanate(0.2%*), 2-ethylhexyl acetate, Aliphatic polyisocyanate resin, Butyl acetate, Ethyl acetate
GAL WT: 8.98 WT PCT SOLIDS: 75.00 VOL PCT SOLIDS: 69.76
SOLVENT DENSITY: 7.43 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

196S™ 1,6-hexamethylene diisocyanate(0.1%*), Acetone, Aliphatic polyisocyanate resin, Ethyl acetate
GAL WT: 8.53 WT PCT SOLIDS: 64.74 VOL PCT SOLIDS: 57.24
SOLVENT DENSITY: 7.03 VOC LE: 1.9 VOC AP: 1.5
FLASH POINT: Below 20°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

197S™ 1,6-hexamethylene diisocyanate(0.2%*), Aliphatic polyisocyanate resin, Methyl amyl ketone
GAL WT: 9.45 WT PCT SOLIDS: 95.00 VOL PCT SOLIDS: 93.01
SOLVENT DENSITY: 6.79 VOC LE: 0.5 VOC AP: 0.5
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

359S™ 1,2,4-trimethyl benzene(7%*), Acrylic polymer-A, Aromatic hydrocarbon, Butyl acetate, Cumene(1%* @), Xylene(2%* @)
GAL WT: 7.67 WT PCT SOLIDS: 25.01 VOL PCT SOLIDS: 21.13
SOLVENT DENSITY: 7.28 VOC LE: 5.8 VOC AP: 5.8
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

389S™ 2,4-pentanedione, Dibutyl tin dilaurate
GAL WT: 8.14 WT PCT SOLIDS: 1.00 VOL PCT SOLIDS: 0.94
SOLVENT DENSITY: 8.14 VOC LE: 8.1 VOC AP: 8.1
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1001S™ Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(26.5%)
GAL WT: 20.75 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 72.36
SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1002S™ Ethylene glycol monobutyl ether(10%*), Iron oxide-A, Mica, Weather resistant mixture
GAL WT: 21.98 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 73.03
SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: Above 200°F H: 1 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1003S™ Ethylene glycol monobutyl ether(10%*), Iron oxide-A, Mica, Weather resistant mixture
GAL WT: 21.60 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 71.16
SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: No measurable H: 2 F: 0 R: 0 OSHA STORAGE: N/A
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1004S™ Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(44.0%), Weather resistant mixture
GAL WT: 21.19 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 71.74
SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1005S™ Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(36.0%), Weather resistant mixture
GAL WT: 20.75 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 72.38
SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1006S™ Ethylene glycol monobutyl ether(10%*), Iron oxide-A, Mica
GAL WT: 21.60 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 71.20
SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1007S™ Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(43.0%), Weather resistant mixture
GAL WT: 21.19 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 71.79
SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1009S™ Ethylene glycol monobutyl ether(10%*), Mica coated with tio2
GAL WT: 22.12 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 70.54
SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1013S™ Chromium hydroxide(1%* @), Heavy mineral spirits, Mica,

Titanium dioxide (rutile)(39.6%)

GAL WT: 21.69 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 67.99
SOLVENT DENSITY: 6.50 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: Above 200°F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1014S™ Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(40.0%), Weather resistant mixture
GAL WT: 20.83 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 72.30
SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1
FLASH POINT: No measurable H: 2 F: 0 R: 0 OSHA STORAGE: N/A
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

1015S™ Chromium(iii) oxide (2:3)(10%* @), Ethylene glycol monobutyl ether(10%*), Mica, Titanium dioxide(38.0%), Weather resistant mixture
GAL WT: 23.26 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 69.01
SOLVENT DENSITY: 7.53 VOC LE: 2.3 VOC AP: 2.3
FLASH POINT: No measurable H: 2 F: 0 R: 0 OSHA STORAGE: N/A
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7200E™ Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Heptane, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-B
GAL WT: 8.04 WT PCT SOLIDS: 52.53 VOL PCT SOLIDS: 45.73
SOLVENT DENSITY: 7.14 VOC LE: 3.8 VOC AP: 3.8
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7285S™ 2-ethylhexyl acetate, Acetone, Ethyl acetate, Ketone solvent
GAL WT: 7.27 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.27 VOC LE: 7.4 VOC AP: 6.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7400E™ Acetone, Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Isopropyl alcohol, Methyl acetate, Methyl amyl ketone, Synthetic resin
GAL WT: 7.94 WT PCT SOLIDS: 43.63 VOL PCT SOLIDS: 36.99
SOLVENT DENSITY: 6.91 VOC LE: 4.0 VOC AP: 3.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7410E™ Acetone, Acrylic polymer-A, Butyl acetate, Ethyl acetate, Heptane, Methyl acetate, Methyl amyl ketone, Polyester resin-C, Synthetic resin
GAL WT: 8.45 WT PCT SOLIDS: 66.51 VOL PCT SOLIDS: 60.24
SOLVENT DENSITY: 7.11 VOC LE: 2.1 VOC AP: 1.7
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7700E™ Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Heptane, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-B
GAL WT: 8.04 WT PCT SOLIDS: 52.53 VOL PCT SOLIDS: 45.73
SOLVENT DENSITY: 7.14 VOC LE: 3.8 VOC AP: 3.8
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

7710E™ Ethyl acetate, Polyester resin-B
GAL WT: 9.16 WT PCT SOLIDS: 91.75 VOL PCT SOLIDS: 89.87
SOLVENT DENSITY: 7.49 VOC LE: 0.8 VOC AP: 0.8
FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

8200E™ Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Heptane, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-B
GAL WT: 8.04 WT PCT SOLIDS: 52.53 VOL PCT SOLIDS: 45.73
SOLVENT DENSITY: 7.14 VOC LE: 3.8 VOC AP: 3.8

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8285S™ Ethyl acetate, Heptane
GAL WT: 7.22 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.22 VOC LE: 7.2 VOC AP: 7.2
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8295S™ Acetone, Butanedioic acid, dimethyl ester, Dimethyl glutarate, Heptane, Hexanedioic acid, dimethyl ester, Isopropyl alcohol, Methyl amyl ketone, Vm&p naphtha
GAL WT: 6.82 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.82 VOC LE: 6.9 VOC AP: 6.0
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8400E™ Acetone, Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-B, Synthetic resin
GAL WT: 8.20 WT PCT SOLIDS: 56.09 VOL PCT SOLIDS: 49.39
SOLVENT DENSITY: 6.87 VOC LE: 3.4 VOC AP: 3.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8401EG™ Acetone, Acrylic polymer-A, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Ethylbenzene(0.3%* @), Isopropyl alcohol, Methyl amyl ketone, Polyester resin-C, Synthetic resin, Xylene(1%* @)
GAL WT: 8.13 WT PCT SOLIDS: 50.46 VOL PCT SOLIDS: 44.21
SOLVENT DENSITY: 7.31 VOC LE: 3.9 VOC AP: 3.8
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8405S™ 1,6-hexamethylene diisocyanate(0.1%* @), 4,6-dimethyl-2-heptanone, Aliphatic polyisocyanate resin, Butyl acetate, Diisobutyl ketone, Methyl amyl ketone
GAL WT: 8.45 WT PCT SOLIDS: 65.00 VOL PCT SOLIDS: 56.94
SOLVENT DENSITY: 6.88 VOC LE: 3.0 VOC AP: 3.0
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8407S™ 1,6-hexamethylene diisocyanate(0.1%* @), 4,6-dimethyl-2-heptanone, Aliphatic polyisocyanate resin, Butyl acetate, Diisobutyl ketone, Methyl amyl ketone, N-pentyl propionate
GAL WT: 8.47 WT PCT SOLIDS: 65.00 VOL PCT SOLIDS: 57.08
SOLVENT DENSITY: 6.92 VOC LE: 3.0 VOC AP: 3.0
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8420S™ 1,2,4-trimethyl benzene(2%*), Acetone, Acrylic polymer-A, Acrylic resin, Aromatic hydrocarbon, Butyl acetate, Diisobutyl ketone, Methyl amyl ketone, Polyester resin-A
GAL WT: 8.06 WT PCT SOLIDS: 50.10 VOL PCT SOLIDS: 42.33
SOLVENT DENSITY: 6.97 VOC LE: 3.7 VOC AP: 3.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

8475S™ Butyl acetate, Ethyl acetate
GAL WT: 7.51 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.51 VOC LE: 7.5 VOC AP: 7.5
FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8821S™ 4-chlorobenzotrifluoride, Acetone, Acrylic polymer-B, Dimethyl glutarate, Isopropyl alcohol, Methyl acetate, Methyl amyl ketone
GAL WT: 8.53 WT PCT SOLIDS: 50.66 VOL PCT SOLIDS: 46.60
SOLVENT DENSITY: 7.89 VOC LE: 2.9 VOC AP: 2.3
FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

8840S™ 2-ethylhexyl acetate, Acetone, Acrylic polymer-A, Acrylic resin, Butyl acetate, Dimethyl glutarate, Isopropyl alcohol, Medium mineral spirits, Methyl amyl ketone

GAL WT: 8.01 WT PCT SOLIDS: 53.56 VOL PCT SOLIDS: 46.66
SOLVENT DENSITY: 6.95 VOC LE: 3.6 VOC AP: 3.5
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

8989S™ 2,4-pentanedione, Dibutyl tin dilaurate

GAL WT: 8.16 WT PCT SOLIDS: 5.00 VOL PCT SOLIDS: 4.68
SOLVENT DENSITY: 8.14 VOC LE: 7.8 VOC AP: 7.8
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT101™ Acrylic polymer-A, Aluminum hydroxide, Amorphous silica, Butyl acetate, Methyl amyl ketone, Titanium dioxide(55.4%)

GAL WT: 14.81 WT PCT SOLIDS: 76.38 VOL PCT SOLIDS: 52.08
SOLVENT DENSITY: 7.30 VOC LE: 3.5 VOC AP: 3.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT105™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Carbon black(4.5%), Methyl amyl ketone, Primary amyl acetate

GAL WT: 8.37 WT PCT SOLIDS: 57.01 VOL PCT SOLIDS: 49.95
SOLVENT DENSITY: 7.19 VOC LE: 3.6 VOC AP: 3.6
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT107™ Acrylic polymer-A, Butyl acetate, Carbon black(0.5%), Methyl amyl ketone

GAL WT: 8.16 WT PCT SOLIDS: 57.45 VOL PCT SOLIDS: 51.01
SOLVENT DENSITY: 7.09 VOC LE: 3.5 VOC AP: 3.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT110™ 2-methyl butyl acetate, Acrylic polymer-A, Aluminum(22%*), Aromatic hydrocarbon, Butyl acetate, Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Tetraethyl orthosilicate

GAL WT: 8.86 WT PCT SOLIDS: 49.36 VOL PCT SOLIDS: 33.97
SOLVENT DENSITY: 6.84 VOC LE: 4.5 VOC AP: 4.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

PT112™ 1,2,4-trimethyl benzene(3%*), 2-methyl butyl acetate, Acrylic polymer-A, Aluminum(26%*), Aromatic hydrocarbon, Butyl acetate, Ethylbenzene(0.1%*), Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Stoddard solvent

GAL WT: 9.16 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 37.89
SOLVENT DENSITY: 6.87 VOC LE: 4.3 VOC AP: 4.3
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

PT114™ 1,2,4-trimethyl benzene(3%*), 2-methyl butyl acetate, Acrylic polymer-A, Aluminum(26%*), Aromatic hydrocarbon, Butyl acetate, Ethylbenzene(0.1%*), Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Stoddard solvent

GAL WT: 9.15 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 38.51
SOLVENT DENSITY: 6.87 VOC LE: 4.3 VOC AP: 4.3
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

PT120™ Acrylic polymer-A, Butyl acetate, Carbazole violet pigment, Methyl amyl ketone, Primary amyl acetate

GAL WT: 8.31 WT PCT SOLIDS: 54.98 VOL PCT SOLIDS: 48.11
SOLVENT DENSITY: 7.85 VOC LE: 3.7 VOC AP: 3.7
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT122™ Acrylic polymer-A, Additive, Butyl acetate, C.i. pigment blue 60, Methyl amyl ketone

GAL WT: 8.47 WT PCT SOLIDS: 57.51 VOL PCT SOLIDS: 50.06
SOLVENT DENSITY: 7.84 VOC LE: 3.6 VOC AP: 3.6
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT124™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Ci pigment blue 76, Methyl amyl ketone, Phthalocyanine blue pigment, Primary amyl acetate

GAL WT: 8.61 WT PCT SOLIDS: 55.01 VOL PCT SOLIDS: 46.79
SOLVENT DENSITY: 7.79 VOC LE: 3.9 VOC AP: 3.9
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT125™ Acrylic polymer-A, Butyl acetate, Methyl amyl ketone

GAL WT: 8.13 WT PCT SOLIDS: 55.00 VOL PCT SOLIDS: 48.56
SOLVENT DENSITY: 7.12 VOC LE: 3.7 VOC AP: 3.7
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT127™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Phthalocyanine blue pigment, Primary amyl acetate, Proprietary copper compound(2%*)

GAL WT: 8.94 WT PCT SOLIDS: 60.01 VOL PCT SOLIDS: 50.80
SOLVENT DENSITY: 7.91 VOC LE: 3.6 VOC AP: 3.6
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT132™ Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Phthalocyanine green, Primary amyl acetate

GAL WT: 8.67 WT PCT SOLIDS: 52.43 VOL PCT SOLIDS: 43.50
SOLVENT DENSITY: 7.79 VOC LE: 4.1 VOC AP: 4.1
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT133™ Acrylic polymer-A, Butyl acetate, Methyl amyl ketone

GAL WT: 8.15 WT PCT SOLIDS: 55.00 VOL PCT SOLIDS: 48.48
SOLVENT DENSITY: 7.12 VOC LE: 3.7 VOC AP: 3.7
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT140™ Acrylic polymer-A, Aluminum salt, Bismuth vanadium oxide(47%*), Butyl acetate, Molybdate/calcium, Primary amyl acetate, Zinc salt

GAL WT: 14.57 WT PCT SOLIDS: 74.99 VOL PCT SOLIDS: 50.21
SOLVENT DENSITY: 7.32 VOC LE: 3.6 VOC AP: 3.6
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT144™ Acrylic polymer-A, Butyl acetate, C.i. pigment yellow 154, Methyl amyl ketone, Primary amyl acetate

GAL WT: 9.09 WT PCT SOLIDS: 60.01 VOL PCT SOLIDS: 49.93
SOLVENT DENSITY: 7.69 VOC LE: 3.6 VOC AP: 3.6
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT148™ Acrylic polymer-A, Butyl acetate, Isoindolinone pigment, Methyl amyl ketone, Primary amyl acetate

GAL WT: 9.24 WT PCT SOLIDS: 62.49 VOL PCT SOLIDS: 52.50
SOLVENT DENSITY: 7.62 VOC LE: 3.5 VOC AP: 3.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

PT154™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Monoazo pigment, Primary amyl acetate

GAL WT: 9.48 WT PCT SOLIDS: 64.72 VOL PCT SOLIDS: 54.27
SOLVENT DENSITY: 7.31 VOC LE: 3.3 VOC AP: 3.3
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT162™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, C.i. pigment red 254, Methyl amyl ketone, Pigment red 202, Primary amyl acetate

GAL WT: 8.53 WT PCT SOLIDS: 54.18 VOL PCT SOLIDS: 46.37

SOLVENT DENSITY: 7.85 VOC LE: 3.9 VOC AP: 3.9

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT164™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Kaolin, Methyl amyl ketone, Pigment red 202, Primary amyl acetate, Quinacridone pigment

GAL WT: 8.69 WT PCT SOLIDS: 57.51 VOL PCT SOLIDS: 49.06

SOLVENT DENSITY: 7.87 VOC LE: 3.7 VOC AP: 3.7

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT165™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, C.i. pigment red 254, Methyl amyl ketone, Primary amyl acetate

GAL WT: 9.06 WT PCT SOLIDS: 61.51 VOL PCT SOLIDS: 51.89

SOLVENT DENSITY: 7.25 VOC LE: 3.5 VOC AP: 3.5

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT166™ Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Primary amyl acetate, Quinacridone pigment

GAL WT: 8.75 WT PCT SOLIDS: 60.41 VOL PCT SOLIDS: 52.14

SOLVENT DENSITY: 7.82 VOC LE: 3.5 VOC AP: 3.5

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT167™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Organic amide, Primary amyl acetate, Quinacridone pigment

GAL WT: 8.65 WT PCT SOLIDS: 55.81 VOL PCT SOLIDS: 47.27

SOLVENT DENSITY: 7.74 VOC LE: 3.8 VOC AP: 3.8

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT168™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Methyl amyl ketone, Perylene maroon, Primary amyl acetate

GAL WT: 8.83 WT PCT SOLIDS: 61.14 VOL PCT SOLIDS: 52.34

SOLVENT DENSITY: 7.21 VOC LE: 3.4 VOC AP: 3.4

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT181™ Acrylic polymer-A, Butyl acetate, Iron hydroxide, Methyl amyl ketone

GAL WT: 12.48 WT PCT SOLIDS: 72.78 VOL PCT SOLIDS: 53.43

SOLVENT DENSITY: 7.30 VOC LE: 3.4 VOC AP: 3.4

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT183™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Iron oxide-B, Methyl amyl ketone, Primary amyl acetate

GAL WT: 9.92 WT PCT SOLIDS: 57.53 VOL PCT SOLIDS: 42.11

SOLVENT DENSITY: 7.84 VOC LE: 4.2 VOC AP: 4.2

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT185™ Acrylic polymer-A, Amorphous silica, Barium sulfate, Butyl acetate, Iron oxide-A, Methyl amyl ketone

GAL WT: 13.62 WT PCT SOLIDS: 74.51 VOL PCT SOLIDS: 52.14

SOLVENT DENSITY: 7.26 VOC LE: 3.5 VOC AP: 3.5

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT187™ 2-methyl butyl acetate, Acrylic polymer-A, Butyl acetate, Iron

oxide-A, Methyl amyl ketone, Primary amyl acetate

GAL WT: 9.57 WT PCT SOLIDS: 59.44 VOL PCT SOLIDS: 46.25

SOLVENT DENSITY: 7.80 VOC LE: 3.9 VOC AP: 3.9

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT190™ Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester, Ethyl 3-ethoxy propionate, Ethyl acetate, Methyl ethyl ketone, Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl, Polyethylene glycol, Triethylenediamine, Ultraviolet absorber

GAL WT: 8.08 WT PCT SOLIDS: 52.40 VOL PCT SOLIDS: 46.95

SOLVENT DENSITY: 7.28 VOC LE: 3.8 VOC AP: 3.8

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT191™ Dibutyltin diacetate, Ethyl acetate, Ethylbenzene(2.6%*), Xylene(10%*)

GAL WT: 7.51 WT PCT SOLIDS: 1.45 VOL PCT SOLIDS: 0.99

SOLVENT DENSITY: 7.48 VOC LE: 7.4 VOC AP: 7.4

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

PT192™ Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester, Ethyl 3-ethoxy propionate, Ethylbenzene(0.2%*), Methyl ethyl ketone, Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl, Polyethylene glycol, Triethylenediamine, Ultraviolet absorber

GAL WT: 7.97 WT PCT SOLIDS: 55.76 VOL PCT SOLIDS: 49.32

SOLVENT DENSITY: 6.95 VOC LE: 3.5 VOC AP: 3.5

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT195™ Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester, Ethyl 3-ethoxy propionate, Ethyl acetate, Methyl ethyl ketone, Triethylenediamine

GAL WT: 7.46 WT PCT SOLIDS: 27.40 VOL PCT SOLIDS: 24.25

SOLVENT DENSITY: 7.15 VOC LE: 5.4 VOC AP: 5.4

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT196™ Acetone, Acrylic polymer-A, Acrylic resin, Amorphous silica, Amorphous silica - silica base, Butyl acetate, Calcium carbonate, Ethyl acetate, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-C, Primary amyl acetate

GAL WT: 8.84 WT PCT SOLIDS: 49.11 VOL PCT SOLIDS: 35.08

SOLVENT DENSITY: 7.09 VOC LE: 3.7 VOC AP: 2.9

FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT197™ Acetic acid, Acetone, Acrylic polymer-B, Butyl acetate, Ethylbenzene(0.6%*), Methyl amyl ketone, Polyester resin-B, Xylene(2%*)

GAL WT: 8.29 WT PCT SOLIDS: 66.21 VOL PCT SOLIDS: 59.82

SOLVENT DENSITY: 6.98 VOC LE: 2.3 VOC AP: 2.1

FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT198™ Acrylic polymer-A, Ethyl acetate, Heptane, Methyl amyl ketone, Polyester resin-C

GAL WT: 8.50 WT PCT SOLIDS: 71.86 VOL PCT SOLIDS: 65.31

SOLVENT DENSITY: 6.91 VOC LE: 2.4 VOC AP: 2.4

FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB

TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

PT199™ 1,2,4-trimethyl benzene(1%*), Aromatic hydrocarbon, Ethyl acetate, Heptane, Polyester resin-C

GAL WT: 8.87 WT PCT SOLIDS: 80.77 VOL PCT SOLIDS: 76.71
SOLVENT DENSITY: 7.32 VOC LE: 1.7 VOC AP: 1.7
FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

VG70050™ Acrylic polymer-B, Ethyl 3-ethoxy propionate, Methyl amyl ketone

GAL WT: 8.26 WT PCT SOLIDS: 58.98 VOL PCT SOLIDS: 52.77
SOLVENT DENSITY: 7.19 VOC LE: 3.4 VOC AP: 3.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
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 Governmental 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. DuPont 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.

@ = Listed as a Clean Air Act Hazardous Air Pollutant.

= EPCRA Section 302 - Extremely hazardous substances.

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: Y. B. Yarbrough