

**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® 5000 Polyurethane Enamel and Imron® 2000 Polyurethane Enamel**

DOT Shipping Name: See DOT Addendum.

Hazardous Materials Information: See Section 10.

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
	70942-12-0	None	A None O None
Acrylic polymer-F	104032-39-5	None	A None O None
Acrylic polymer-G	170475-04-4	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
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

**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
Acetone	67-64-1	247.0@68.0°F	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA
Acrylic polymer-A	NotAvail	3.1	A None O None
Acrylic polymer-B	25067-83-8	None	A None O None
Acrylic polymer-C	26061-99-4	None	A None O None
Acrylic polymer-D	42767-92-0	None	A None O None
Acrylic polymer-E			
Antimony pentoxide	1314-60-9	None	A 0.5 mg/m3 Sb O 0.5 mg/m3 Sb
Antimony trioxide	1309-64-4	None	A 0.5 mg/m3 Sb O 0.5 mg/m3 Sb D 0.1 mg/m3 12 hr TWA Sb
Aromatic hydrocarbon	64742-95-6	10.0@25.0°C	D 50.0 ppm A None O None
Azo yellow pigment	31837-42-0	None	A 10.0 mg/m3 O 5.0 mg/m3 Respirable Dust O 15.0 mg/m3
Barium sulfate	7727-43-7	<0.0	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

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS	INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
			Respirable Dust D 10.0 mg/m3 Total Dust D 5.0 mg/m3 8 & 12 hour TWA Respirable Dust		142-82-5	45.0@66.0°F	A 500.0 ppm 15 min STEL A 400.0 ppm O 500.0 ppm
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	41556-26-7	None	A None O None	Hydrotreated heavy naphtha (petroleum)	64742-48-9	3.3@68.0°F	A None O None
Butyl acetate	123-86-4	10.0	A 200.0 ppm 15 min STEL A 150.0 ppm O 150.0 ppm	Iron oxide-A	1309-37-1	None	A 5.0 mg/m3 Respirable Dust O 10.0 mg/m3 D 3.0 mg/m3
C.i. pigment blue 60	81-77-6	None	A None O None	Iron oxide-B	51274-00-1	None	A 5.0 mg/m3 O 10.0 mg/m3
C.i. pigment red 254	84632-65-5	None	A None O None	Isoindolinone pigment	36888-99-0	None	A None O None
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	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
Carbazole violet pigment	6358-30-1	None	A None O None	Lead chromate molybdate	12656-85-8	None	A 50.0 ug/m3 Pb
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				A 10.0 mg/m3 inhalable dust Mo A 3.0 mg/m3 respirable particulate Mo A 12.0 ug/m3 Cr(VI) O 50.0 ug/m3 Pb O 5.0 ug/m3 Cr(VI)
Cumene	98-82-8	3.7	A 50.0 ppm O 50.0 ppm Skin	Lead chromates	7758-97-6	None	A 50.0 ug/m3 Pb A 12.0 ug/m3 Cr(VI) O 50.0 ug/m3 Pb O 5.0 ug/m3 Cr(VI) D 50.0 ug/m3 Cr(VI)
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 Sn O 0.1 mg/m3 Sn				
Ethyl acetate	141-78-6	93.2@25.0°C	A 400.0 ppm O 400.0 ppm				
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	Lead sulfochromate yellow	1344-37-2	None	A 50.0 ug/m3 Pb A 12.0 ug/m3 Cr(VI) O 50.0 ug/m3 TWA Pb O 5.0 ug/m3
Ethylene glycol monobutyl ether acetate	112-07-2	0.3	A 20.0 ppm D 20.0 ppm 8 & 12 hour TWA O None				
Heptane							

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS	INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Lead sulphate	7446-14-2	None	Cr(VI) D 50.0 ug/m3 Cr(VI) A 50.0 ug/m3 Pb O 50.0 ug/m3 Pb				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
Magnesite	546-93-0	None	A 10.0 mg/m3 O None				
Magnesium silicate	14807-96-6	None	A None O None	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
Medium mineral spirits	64742-88-7	0.3@68.0°F	D 50.0 ppm 8 & 12 hour TWA A None O None				
Methyl amyl ketone	110-43-0	3.4	A 50.0 ppm O 100.0 ppm				
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	NotAvail	None	A None O None
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	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
N-butyl alcohol	71-36-3	5.6@68.0°F	A 20.0 ppm O 100.0 ppm D 50.0 ppm 15 min TWA D 25.0 ppm	Polyester resin	71010-58-7	None	A None O None
Nickel oxide	1313-99-1	None	A 0.2 mg/m3 inhalable dust Ni O 1.0 mg/m3 Ni D 20.0 ug/m3 8 & 12 hour TWA Ni	Polyol	68551-65-5	0.7@22.0°C	A None O None
Organoclay	68911-87-5	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
Perylene maroon	5521-31-3	None	A None O None	Propylene glycol monomethyl ether acetate	108-65-6	3.8	D 10.0 ppm 8 & 12 hour TWA A None O None
Phthalocyanine blue pigment	147-14-8	None	A 10.0 mg/m3 inhalable dust	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

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Quinophthalone yellow pigment	30125-47-4	None	D 10.0 mg/m3 Total Dust A None O None
Red iron oxide light	1332-37-2	None	A 10.0 mg/m3 PNOR A 3.0 mg/m3 Respirable Dust A 5.0 mg/m3 Fe O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust
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
Substituted benzotriazole	25973-55-1	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 Respirable Dust
Toluene	108-88-3	22.0	A 20.0 ppm O 300.0 ppm CEIL O 500.0 ppm 10 min TWA O 200.0 ppm D 50.0 ppm 8 & 12 hour TWA
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
Yellow iron oxide	51274-00-1	None	A 10.0 mg/m3 O 15.0 mg/m3

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:**

**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.

**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.

**Acrylic polymer-D**

Skin contact may cause any of the following: mild irritation.

**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.

**Antimony trioxide**

Is an IARC, NTP or OSHA carcinogen. Cancer hazard based on tests with laboratory animals. Overexposure may create cancer risk This substance may cause effects on any of the following organs/systems: lungs. Tests in laboratory animals have shown potential for developmental toxicity. The significance to man is unknown.

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

**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

\*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:**

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.

**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.

**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 acetate**

May destroy red blood cells. May cause abnormal kidney function. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. The following medical conditions may be aggravated by exposure: central nervous system, gastrointestinal system, kidneys, liver, dermatitis. Can be absorbed through the skin in harmful amounts. Overexposure may cause damage to any of the following organs/systems: blood, kidneys, liver. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

**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.

**Kaolin**

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

**Lead chromate molybdate**

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula:  $\text{limit}(\text{in ug/m}^3) = 400/\text{hours}$  worked in the day. Health studies have shown that chromate pigment manufacturing may be associated with an increase risk of lung cancer. Repeated or prolonged skin contact may cause any of the following: dermatitis, allergic skin rash. The following medical conditions may be aggravated by overexposure: asthma. Repeated or prolonged skin or eye contact may cause any of the following: irritation. Repeated or prolonged inhalation may cause any of the following: respiratory tract irritation, sensitization, asthma-like reactions, e.g. wheezing, chest tightness. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Lead chromates**

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula:  $\text{limit}(\text{in ug/m}^3) = 400/\text{hours}$  worked in the day. Health studies have shown that chromate pigment manufacturing may be associated with an increase risk of lung cancer. Repeated or prolonged skin contact may cause any of the following: dermatitis, allergic skin rash. The following medical conditions may be aggravated by overexposure: asthma. Repeated or prolonged skin or eye contact may cause any of the following: irritation. Repeated or prolonged inhalation may cause any of the following: respiratory tract irritation, sensitization, asthma-like reactions, e.g. wheezing, chest tightness. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Lead sulfochromate yellow**

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula:  $\text{limit}(\text{in ug/m}^3) = 400/\text{hours}$  worked in the day. Health studies have shown that chromate pigment manufacturing may be associated with an increase risk of lung cancer. Repeated or prolonged skin contact may cause any of the following: dermatitis, allergic skin rash. The following medical conditions may be aggravated by overexposure: asthma. Repeated or prolonged skin or eye contact may cause any of the following: irritation. Repeated or prolonged inhalation may cause any of the following: respiratory tract irritation, sensitization, asthma-like reactions, e.g. wheezing, chest tightness. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Lead sulphate**

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula:  $\text{limit}(\text{in ug/m}^3) = 400/\text{hours}$  worked in the day. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Magnesium silicate**

Skin 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.

#### **N-butyl alcohol**

May cause abnormal blood forming function with anemia. Liquid splashes in the eye may result in chemical burns.

#### **Nickel oxide**

Is an IARC, NTP or OSHA carcinogen. Skin contact may cause any of the following: skin sensitization, skin irritation. Overexposure of this substance may cause effects on any of the following organs/systems: lungs. WARNING: This chemical is known to the State of California to cause cancer.

#### **Pigment red**

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

#### **Propylene glycol monomethyl ether acetate**

Recurrent overexposure may result in liver and kidney injury.

#### **Red iron oxide light**

Long-term respiratory exposure of iron oxide may result in deposition of particles in the lung (benign siderosis).

#### **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.

#### **Substituted benzotriazole**

The following medical conditions may be aggravated by exposure: jaundice, liver disease. Repeated or prolonged ingestion may cause any of the following: changes in the blood, liver effects.

#### **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/m<sup>3</sup> 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/m<sup>3</sup> 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.'

#### **Toluene**

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. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

#### **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.

### **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 13.1 %

#### **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 CO<sub>2</sub> 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 - 200 °C
Approx. Freezing Range ( °C)	-134.4 - -83 °C
Gallon Weight (lbs/gal)	6.57 - 16.71
Specific Gravity	0.79 - 2.00
Percent Volatile By Volume	7.09 - 100.00
Percent Volatile By Weight	5.00 - 100.00
Percent Solids By Volume	0.00 - 92.91
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, CO<sub>2</sub>, 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**

**193S™** 1,6-hexamethylene diisocyanate(0.2%\* @), Aliphatic polyisocyanate resin, Butyl acetate, Ethyl acetate, Ethylene glycol monobutyl ether acetate(4%\* @)  
**GAL WT: 9.02 WT PCT SOLIDS: 74.99 VOL PCT SOLIDS: 70.02**  
**SOLVENT DENSITY: 7.53 VOC LE: 2.3 VOC AP: 2.3**  
**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**

**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**

**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-CHEMICALY 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-CHEMICALY REACTIVE: NO**

**501H™** Acrylic polymer-D, Butyl acetate, Carbon black(0.6%),  
Ethylbenzene(0.2%\*), Methyl amyl ketone  
**GAL WT: 8.22 WT PCT SOLIDS: 52.26 VOL PCT SOLIDS: 44.95**  
**SOLVENT DENSITY: 7.14 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**

**502H™** Acrylic polymer-C, Butyl acetate, Hydrotreated heavy naphtha  
(petroleum), Propylene glycol monomethyl ether acetate, Red iron oxide  
light  
**GAL WT: 14.20 WT PCT SOLIDS: 71.79 VOL PCT SOLIDS: 46.31**  
**SOLVENT DENSITY: 7.46 VOC LE: 4.0 VOC AP: 4.0**  
**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**

**503H™** Acrylic polymer-D, Ethylbenzene(0.3%\*), Lead sulfochromate  
yellow(58.0%\*), Methyl amyl ketone, Propylene glycol monomethyl ether  
acetate, Titanium dioxide(2.4%)  
**GAL WT: 16.71 WT PCT SOLIDS: 77.56 VOL PCT SOLIDS: 50.98**  
**SOLVENT DENSITY: 7.66 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-CHEMICALY REACTIVE: NO**

**504H™** 1,2,4-trimethyl benzene(2%\*), Acrylic polymer-D, Aromatic  
hydrocarbon, Butyl acetate, Ethylbenzene(0.2%\*), Methyl amyl ketone,  
Phthalocyanine blue pigment, Propylene glycol monomethyl ether acetate  
**GAL WT: 8.55 WT PCT SOLIDS: 49.95 VOL PCT SOLIDS: 43.41**  
**SOLVENT DENSITY: 7.56 VOC LE: 4.3 VOC AP: 4.3**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**505H™** Acrylic polymer-D, Butyl acetate, Carbon black(4.1%),  
Ethylbenzene(1.4%\*), Methyl amyl ketone, Toluene(2%\*),  
Xylene(6%\*)  
**GAL WT: 8.24 WT PCT SOLIDS: 48.82 VOL PCT SOLIDS: 41.56**  
**SOLVENT DENSITY: 7.51 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-CHEMICALY REACTIVE: YES**

**506H™** 1,2,4-trimethyl benzene(2%\*), Acrylic polymer-D, Aromatic  
hydrocarbon, Butyl acetate, Methyl amyl ketone, Phthalocyanine green,  
Toluene(1%\*)  
**GAL WT: 8.20 WT PCT SOLIDS: 44.39 VOL PCT SOLIDS: 33.82**  
**SOLVENT DENSITY: 7.06 VOC LE: 4.6 VOC AP: 4.6**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**507H™** 1,2,4-trimethyl benzene(1%\*), Acrylic polymer-D, Aromatic  
hydrocarbon, Barium sulfate, Butyl acetate, Methyl amyl ketone,  
Phthalocyanine blue pigment, Propylene glycol monomethyl ether acetate,  
Toluene(1%\*)  
**GAL WT: 8.58 WT PCT SOLIDS: 48.62 VOL PCT SOLIDS: 41.54**  
**SOLVENT DENSITY: 7.55 VOC LE: 4.4 VOC AP: 4.4**  
**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**

**509H™** Acrylic polymer-D, Butyl acetate, C.i. pigment red 254, Methyl  
amyl ketone, Propylene glycol monomethyl ether acetate

**GAL WT: 9.16 WT PCT SOLIDS: 53.24 VOL PCT SOLIDS: 44.43**  
**SOLVENT DENSITY: 8.08 VOC LE: 4.3 VOC AP: 4.3**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**510H™** Acrylic polymer-D, Butyl acetate, Lead chromates(54.7%\*),  
Lead sulphate(2.9%\*), Methyl amyl ketone, Propylene glycol  
monomethyl ether acetate  
**GAL WT: 15.82 WT PCT SOLIDS: 76.30 VOL PCT SOLIDS: 50.99**  
**SOLVENT DENSITY: 7.66 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**

**512H™** Acrylic polymer-D, Antimony trioxide(1.5%\*), Aromatic  
hydrocarbon, Barium sulfate, Butyl acetate, Lead chromate  
molybdate(46.2%\*), Methyl amyl ketone, Propylene glycol monomethyl  
ether acetate  
**GAL WT: 15.50 WT PCT SOLIDS: 75.76 VOL PCT SOLIDS: 50.72**  
**SOLVENT DENSITY: 7.63 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-CHEMICALY REACTIVE: NO**

**513H™** Acrylic polymer-D, Aromatic hydrocarbon, Barium sulfate, Butyl  
acetate, Methyl amyl ketone, Pigment red, Pigment red 202, Propylene  
glycol monomethyl ether acetate, Toluene(2%\*)  
**GAL WT: 8.65 WT PCT SOLIDS: 42.59 VOL PCT SOLIDS: 35.69**  
**SOLVENT DENSITY: 7.90 VOC LE: 5.0 VOC AP: 5.0**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**514H™** 2-methyl butyl acetate, Acrylic polymer-D, Butyl acetate, Methyl  
amyl ketone, Primary amyl acetate, Quinacridone pigment  
**GAL WT: 8.46 WT PCT SOLIDS: 47.13 VOL PCT SOLIDS: 38.11**  
**SOLVENT DENSITY: 7.24 VOC LE: 4.5 VOC AP: 4.5**  
**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**

**515H™** Acrylic polymer-D, Butyl acetate, Methyl amyl ketone, Propylene  
glycol monomethyl ether acetate, Toluene(2%\*), Yellow iron oxide  
**GAL WT: 12.47 WT PCT SOLIDS: 66.39 VOL PCT SOLIDS: 45.13**  
**SOLVENT DENSITY: 7.64 VOC LE: 4.2 VOC AP: 4.2**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**516H™** Acrylic polymer-D, Aluminum hydrate, Amorphous silica, Butyl  
acetate, Methyl amyl ketone, Propylene glycol monomethyl ether acetate,  
Titanium dioxide(53.8%)  
**GAL WT: 14.96 WT PCT SOLIDS: 77.59 VOL PCT SOLIDS: 55.98**  
**SOLVENT DENSITY: 7.62 VOC LE: 3.4 VOC AP: 3.4**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**518H™** 1,2,4-trimethyl benzene(3%\*), Acrylic polymer-D, Aromatic  
hydrocarbon, Butyl acetate, Carbazole violet pigment,  
Ethylbenzene(0.4%\*), Methyl amyl ketone, Propylene glycol monomethyl  
ether acetate, Xylene(1%\*)  
**GAL WT: 8.41 WT PCT SOLIDS: 52.93 VOL PCT SOLIDS: 47.06**  
**SOLVENT DENSITY: 7.48 VOC LE: 4.0 VOC AP: 4.0**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**519H™** 1,2,4-trimethyl benzene(3%\*), Acrylic polymer-G, Aromatic  
hydrocarbon, Butyl acetate, C.i. pigment blue 60, Methyl amyl ketone,  
Propylene glycol monomethyl ether acetate  
**GAL WT: 8.27 WT PCT SOLIDS: 48.58 VOL PCT SOLIDS: 42.29**  
**SOLVENT DENSITY: 7.57 VOC LE: 4.3 VOC AP: 4.3**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**522H™** 1,2,4-trimethyl benzene(4%\*), Acrylic polymer-B, Aluminum(25%\*), Aromatic hydrocarbon, Butyl acetate, Hydrotreated heavy naphtha (petroleum), N-butyl alcohol(2%\*), Propylene glycol monomethyl ether acetate, Stoddard solvent  
**GAL WT: 9.32 WT PCT SOLIDS: 51.06 VOL PCT SOLIDS: 38.17**  
**SOLVENT DENSITY: 7.26 VOC LE: 4.6 VOC AP: 4.6**  
**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**

**525H™** 1,2,4-trimethyl benzene(1%\*), 2-methyl butyl acetate, Acrylic polymer-D, Aromatic hydrocarbon, Butyl acetate, Iron oxide-A, Methyl amyl ketone, Primary amyl acetate  
**GAL WT: 9.55 WT PCT SOLIDS: 52.70 VOL PCT SOLIDS: 37.45**  
**SOLVENT DENSITY: 7.23 VOC LE: 4.5 VOC AP: 4.5**  
**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**

**527H™** Acrylic polymer-D, Barium sulfate, Butyl acetate, Methyl amyl ketone, Perylene maroon, Propylene glycol monomethyl ether acetate, Toluene(3%\* @)  
**GAL WT: 8.81 WT PCT SOLIDS: 44.06 VOL PCT SOLIDS: 36.09**  
**SOLVENT DENSITY: 7.97 VOC LE: 4.9 VOC AP: 4.9**  
**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**

**528H™** Acrylic polymer-D, Azo yellow pigment, Butyl acetate, Methyl amyl ketone, Propylene glycol monomethyl ether acetate  
**GAL WT: 9.17 WT PCT SOLIDS: 48.94 VOL PCT SOLIDS: 40.04**  
**SOLVENT DENSITY: 8.22 VOC LE: 4.7 VOC AP: 4.7**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**529H™** Acrylic polymer-D, Barium sulfate, Butyl acetate, Isoindolinone pigment, Methyl amyl ketone, Propylene glycol monomethyl ether acetate  
**GAL WT: 9.43 WT PCT SOLIDS: 51.48 VOL PCT SOLIDS: 40.48**  
**SOLVENT DENSITY: 7.97 VOC LE: 4.6 VOC AP: 4.6**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 1 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**538H™** Acrylic polymer-D, Antimony pentoxide(9%\* @), Butyl acetate, Methyl amyl ketone, Nickel oxide(2.9%\* @), Propylene glycol monomethyl ether acetate, Titanium dioxide(45.6%), Toluene(1%\* @)  
**GAL WT: 14.80 WT PCT SOLIDS: 72.17 VOL PCT SOLIDS: 46.33**  
**SOLVENT DENSITY: 7.68 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**

**542H™** 2-methyl butyl acetate, Acrylic polymer-D, Aromatic hydrocarbon, Methyl amyl ketone, Primary amyl acetate, Quinacridone pigment  
**GAL WT: 8.30 WT PCT SOLIDS: 48.81 VOL PCT SOLIDS: 40.93**  
**SOLVENT DENSITY: 7.20 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-CHEMICALY REACTIVE: NO**

**545H™** 1,2,4-trimethyl benzene(2%\*), 2-methyl butyl acetate, Acrylic polymer-D, Aromatic hydrocarbon, Butyl acetate, Iron oxide-B, Methyl amyl ketone, Primary amyl acetate  
**GAL WT: 9.32 WT PCT SOLIDS: 54.32 VOL PCT SOLIDS: 41.04**  
**SOLVENT DENSITY: 7.23 VOC LE: 4.3 VOC AP: 4.3**  
**FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**551H™** Acrylic polymer-D, Butyl acetate, Ethylbenzene(0.2%\* @), Methyl amyl ketone, Propylene glycol monomethyl ether acetate, Quinophthalone yellow pigment, Titanium dioxide(0.5%)  
**GAL WT: 9.57 WT PCT SOLIDS: 52.76 VOL PCT SOLIDS: 41.15**  
**SOLVENT DENSITY: 7.99 VOC LE: 4.5 VOC AP: 4.5**  
**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**

**569H™** Acrylic polymer-D, Butyl acetate, Ethylbenzene(0.1%\* @), Methyl amyl ketone, Monoazo pigment, Propylene glycol monomethyl ether acetate  
**GAL WT: 9.68 WT PCT SOLIDS: 59.60 VOL PCT SOLIDS: 49.64**  
**SOLVENT DENSITY: 7.77 VOC LE: 3.9 VOC AP: 3.9**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**573H™** Acrylic polymer-E, Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate, Ethyl acetate, Ethylbenzene(0.4%\* @), Ethylene glycol monobutyl ether acetate(2%\* @), Methyl amyl ketone, Polyester resin, Xylene(2%\* @)  
**GAL WT: 8.93 WT PCT SOLIDS: 76.23 VOL PCT SOLIDS: 70.40**  
**SOLVENT DENSITY: 7.18 VOC LE: 2.1 VOC AP: 2.1**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**574H™** Acrylic polymer-E, Ethyl acetate, Ethylbenzene(0.4%\* @), Ethylene glycol monobutyl ether acetate(2%\* @), Heptane, Medium mineral spirits, Methyl amyl ketone, N-butyl alcohol(3%\*), Polyester resin, Substituted benzotriazole, Xylene(2%\* @)  
**GAL WT: 8.58 WT PCT SOLIDS: 68.93 VOL PCT SOLIDS: 61.44**  
**SOLVENT DENSITY: 6.93 VOC LE: 2.7 VOC AP: 2.7**  
**FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**577H™** 1,2,4-trimethyl benzene(2%\*), Acrylic polymer-G, Aromatic hydrocarbon, Butyl acetate, Ethyl acetate, Ethylbenzene(0.1%\* @), Ethylene glycol monobutyl ether acetate(12%\* @), Methyl amyl ketone, Methyl ethyl ketone, Organoclay, Polyester resin  
**GAL WT: 8.09 WT PCT SOLIDS: 34.39 VOL PCT SOLIDS: 28.30**  
**SOLVENT DENSITY: 7.42 VOC LE: 5.3 VOC AP: 5.3**  
**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**

**583H™** 2-ethylhexyl acetate, Acrylic polymer-E, Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate, Ethyl acetate, Ethylbenzene(0.4%\* @), Methyl amyl ketone, Polyester resin, Xylene(2%\* @)  
**GAL WT: 8.89 WT PCT SOLIDS: 75.24 VOL PCT SOLIDS: 69.18**  
**SOLVENT DENSITY: 7.15 VOC LE: 2.2 VOC AP: 2.2**  
**FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**584H™** Acrylic polymer-E, Butyl acetate, Ethyl acetate, Ethylbenzene(0.4%\* @), Ethylene glycol monobutyl ether acetate(2%\* @), Heptane, Medium mineral spirits, Methyl amyl ketone, N-butyl alcohol(3%\*), Polyester resin, Substituted benzotriazole, Xylene(2%\* @)  
**GAL WT: 8.58 WT PCT SOLIDS: 68.93 VOL PCT SOLIDS: 61.40**  
**SOLVENT DENSITY: 6.92 VOC LE: 2.7 VOC AP: 2.7**  
**FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB**  
**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**590H™** 1,2,4-trimethyl benzene(2%\*), Acrylic polymer-B, Aluminum(24%\*), Aromatic hydrocarbon, Butyl acetate, Hydrotreated heavy naphtha (petroleum), N-butyl alcohol(2%\*), Propylene glycol monomethyl ether acetate  
**GAL WT: 9.18 WT PCT SOLIDS: 49.62 VOL PCT SOLIDS: 35.47**  
**SOLVENT DENSITY: 7.20 VOC LE: 4.6 VOC AP: 4.6**  
**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**

**673H™** 2-ethylhexyl acetate, Acrylic polymer-E, Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate, Ethyl acetate, Ethylbenzene(0.4%\* @), Methyl amyl ketone, Polyester resin, Xylene(2%\* @)  
**GAL WT: 8.89 WT PCT SOLIDS: 75.24 VOL PCT SOLIDS: 69.18**  
**SOLVENT DENSITY: 7.15 VOC LE: 2.2 VOC AP: 2.2**  
**FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB**

**TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**674H™** 2-ethylhexyl acetate, Acrylic polymer-E, Ethyl acetate, Ethylbenzene(0.4%\*), Heptane, Medium mineral spirits, Methyl amyl ketone, N-butyl alcohol(3%), Polyester resin, Substituted benzotriazole, Xylene(2%\*)

**GAL WT: 8.57 WT PCT SOLIDS: 68.93 VOL PCT SOLIDS: 61.32  
SOLVENT DENSITY: 6.89 VOC LE: 2.7 VOC AP: 2.7  
FLASH POINT: 20°F to below 73°F H: 1 F: 3 R: 0 OSHA STORAGE: IB  
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**677H™** 1,2,4-trimethyl benzene(2%\*), 2-ethylhexyl acetate, Acetone, Acrylic polymer-G, Aromatic hydrocarbon, Butyl acetate, Ethyl acetate, Ethylbenzene(0.1%\*), Methyl amyl ketone, Organoclay, Polyester resin  
**GAL WT: 7.99 WT PCT SOLIDS: 33.35 VOL PCT SOLIDS: 27.12  
SOLVENT DENSITY: 7.32 VOC LE: 5.3 VOC AP: 5.1  
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**

**8685S™** Ethyl acetate, Ethylene glycol monobutyl ether acetate(40%\*), Methyl ethyl ketone  
**GAL WT: 7.55 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00  
SOLVENT DENSITY: 7.57 VOC LE: 7.5 VOC AP: 7.5  
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**

**8695S™** Ethylene glycol monobutyl ether acetate(73%\*), Methyl amyl ketone  
**GAL WT: 7.54 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00  
SOLVENT DENSITY: 7.54 VOC LE: 7.5 VOC AP: 7.5  
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 0 OSHA STORAGE: II  
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**8885S™** 2-ethylhexyl acetate, Acetone, Ethyl acetate  
**GAL WT: 7.32 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00  
SOLVENT DENSITY: 7.32 VOC LE: 7.4 VOC AP: 6.6  
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**

**8909S™** 1,6-hexamethylene diisocyanate(0.2%\*), Aliphatic polyisocyanate resin, Methyl ethyl ketone  
**GAL WT: 9.44 WT PCT SOLIDS: 95.00 VOL PCT SOLIDS: 92.91  
SOLVENT DENSITY: 6.74 VOC LE: 0.5 VOC AP: 0.5  
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB  
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO**

**8920S™** Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Ethyl acetate, Ethylbenzene(0.2%\*), Polyester resin, Polyol  
**GAL WT: 8.57 WT PCT SOLIDS: 93.67 VOL PCT SOLIDS: 92.70  
SOLVENT DENSITY: 7.44 VOC LE: 0.5 VOC AP: 0.5  
FLASH POINT: 73°F to below 100°F H: 1 F: 3 R: 0 OSHA STORAGE: IC  
TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES**

**8928S™** Acrylic polymer-E, Barium sulfate, Calcium carbonate, Ethyl acetate, Ethylbenzene(0.4%\*), Ethylene glycol monobutyl ether acetate(10%\*), Kaolin, Magnesite, Magnesium silicate, Methyl ethyl ketone, Polyester resin, Xylene(1%\*)  
**GAL WT: 13.89 WT PCT SOLIDS: 71.90 VOL PCT SOLIDS: 47.93  
SOLVENT DENSITY: 7.51 VOC LE: 3.9 VOC AP: 3.9  
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**

**8930S™** 2-ethylhexyl acetate, Heptane, Methyl amyl ketone, Methyl ethyl ketone  
**GAL WT: 6.57 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00  
SOLVENT DENSITY: 6.57 VOC LE: 6.6 VOC AP: 6.6  
FLASH POINT: Below 20°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**

**RK-P-19488™** Acetone, Acrylic polymer-F, Amorphous silica, Butyl acetate, Methyl amyl ketone, Toluene(2%\*)  
**GAL WT: 8.75 WT PCT SOLIDS: 56.99 VOL PCT SOLIDS: 44.59  
SOLVENT DENSITY: 6.80 VOC LE: 3.0 VOC AP: 2.4  
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**

**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