

**1. Identification of the substance/mixture and of the company/undertaking**

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

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

Product: **Primers: Enamel, Chromate, Corlar®, Variprime® and Sealers**

DOT Shipping Name: See DOT Addendum.

Hazardous Materials Information: See Section 10.

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**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-propenamine, 3-(trimethoxysilyl)-	13822-56-5	1.0	A None, O None
2,4,6- tri((dimethylamino)methyl) phenol	90-72-2	0.0@21.0 °C	A None, O None
2-ethylhexyl acetate	103-09-3	0.5	A None, 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
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	None	A None, O None
Acrylic polymer-B	69215-54-9	None	A None, O None
Acrylic polymer-C	70942-12-0	None	A None, O None
Aliphatic polyisocyanate resin	28182-81-2	<0.0	S 0.5 mg/m3, A None, O None
Alkyd resin	68071-84-1	None	A None, O None
Aluminium and phosphor mixture	13939-25-8	None	A None, O None
Aluminum hydroxide	21645-51-2	None	A 1.0 mg/m3, O None
Amorphous silica	7631-86-9	None	A 3.0 mg/m3 Respirable Dust, O 20.0 mppcf, D 3.0 mg/m3, D 6.0 mg/m3
Aromatic hydrocarbon-A	64742-94-5	10.0	D 100.0 ppm, A None, O None
Aromatic hydrocarbon-B	64742-95-6	10.0@25.0 °C	D 50.0 ppm, A None, O None
Barium sulfate	7727-43-7	None	O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, D 10.0 mg/m3 Total Dust, D 5.0 mg/m3 8 & 12 hour TWA Respirable Dust, A None
Bis a /epichlorohydrin	NotAvail	None	A None, O None
Bisphenol a/epichlorohydrin polymer	25036-25-3	None	A 10.0 mg/m3 Total Dust, A 5.0 mg/m3 Respirable Dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Bisphenol-epichlorohydrin type polymer	25068-38-6	1.0@180.0 °C	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
Calcined kaolin	66402-68-4	None	A 3.0 mg/kg Respirable Dust, A 10.0 mg/m3 inhalable dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Carbon black	1333-86-4	None	A 3.0 mg/m3, O 3.5 mg/m3, D 0.5 mg/m3 8 & 12 hour TWA
Ceramic microspheres	66402-68-4	None	A 10.0 mg/m3, O 15.0 mg/m3
Cobalt neodecanoate	27253-31-2	2.0@68.0 °F	A None, O None
Cristobalite siO2	14464-46-1	None	A 25.0 ug/m3 Respirable Dust, D 0.0 mg/m3 Respirable Dust, D 0.0 mg/m3 12 hr TWA Respirable Dust, O None
Cumene	98-82-8	3.7	A 50.0 ppm, O 50.0 ppm Skin
Cyclohexanone	108-94-1	4.0	A 50.0 ppm 15 min STEL Skin, A 20.0 ppm Skin, O 25.0 ppm TWA, D 50.0 ppm 15 min TWA Skin, D 25.0 ppm 8 & 12 hour TWA Skin
Diacetone alcohol	123-42-2	1.1	A 50.0 ppm TLV, O 50.0 ppm TWA
Diisobutyl ketone	108-83-8	1.8	A 25.0 ppm, O 50.0 ppm
Epoxide resins, liquid	68609-97-2	<0.1	A None, O None
Epoxy resin-A	NotAvail	None	A None, O None
Epoxy resin-B	25068-38-6	247.9@60.0 °F	A None, O None
Epoxy resin-C	68910-26-9	None	A None, O None
Epoxy urethane resin	NotAvail	None	A None, O None
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	0.0@25.0 °C	D 5.0 ppm, A None, O None

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Ethyl acetate	141-78-6	93.2@25.0 °C	A 400.0 ppm, O 400.0 ppm
Ethyl alcohol	64-17-5	46.0	A 1000.0 ppm, O 1000.0 ppm, D 1000.0 ppm 15 min STEL
Ethylbenzene	100-41-4	7.0	A 20.0 ppm, O 100.0 ppm, D 25.0 ppm 8 & 12 hour TWA
Ethylene glycol monobutyl ether	111-76-2	0.6	A 20.0 ppm, O 50.0 ppm Skin, D 20.0 ppm 8 & 12 hour TWA
Ethylene glycol monobutyl ether acetate	112-07-2	0.3	A 20.0 ppm, D 20.0 ppm 8 & 12 hour TWA, O None
Glycol dibenzoate ester	27138-31-4	None	A None, O None
Heptane	142-82-5	45.0@66.0 °F	A 500.0 ppm 15 min STEL, A 400.0 ppm, O 500.0 ppm
Hydrous magnesium silicate	14807-96-6	None	A 2.0 mg/m3 Respirable Dust, D 0.5 mg/m3 8 & 12 hour TWA Respirable Dust, D 0.1 mg/m3 8 & 12 hour TWA, O None
Iron hydroxide	20344-49-4	None	A None, O None
Isobutyl alcohol	78-83-1	9.7@22.0 °C	A 50.0 ppm, O 100.0 ppm
Isopropyl alcohol	67-63-0	48.0	A None, O None
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
Limestone (calcium carbonate)	1317-65-3	None	A 10.0 mg/m3, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
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
Methyl alcohol	67-56-1	127.7@21.2 °C	A 250.0 ppm 15 min STEL Skin, A 200.0 ppm Skin, O 200.0 ppm, D 200.0 ppm 8 & 12 hour TWA Skin
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
Methyl isoamyl ketone	110-12-3	5.3	A None, O None
Methyl isobutyl carbinol	108-11-2	4.2	A 40.0 ppm 15 min STEL, A 25.0 ppm Skin, O 25.0 ppm Skin
Methyl isobutyl ketone	108-10-1	15.1	A 75.0 ppm 15 min STEL Skin, A 50.0 ppm Skin, O 100.0 ppm Skin
Methyl n-propyl ketone	107-87-9	27.8	A 150.0 ppm 15 min STEL, A 1.0 mg/m3, O 200.0 ppm
Methyl pyrrolidone	872-50-4	0.3	D 5.0 ppm 8 & 12 hour TWA Skin, A None, O None
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	1760-24-3	<1.0	A None, O None
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 STEL, D 25.0 ppm 8 & 12 hour TWA
N-pentanol	71-41-0	1.5	A None, O None
N-pentyl propionate	624-54-4	1.5	A None, O None
Naphthalene	91-20-3	1.0@52.6 °C	A 15.0 ppm CEIL Skin, A 10.0 ppm Skin, O 10.0 ppm, D 0.1 ppm 8 & 12 hour TWA
Nitrocellulose	9004-70-0	None	A None, O None
Phenolic resin	NotAvail	10.0	A None, O None
Phosphoric acid	7664-38-2	0.0	A 3.0 mg/m3 15 min STEL, A 1.0 mg/m3, O 1.0 mg/m3, D 3.0 mg/m3 15 min TWA, D 1.0 mg/m3 8 & 12 hour TWA
Phosphoric acid, calcium salt	7757-93-9	None	A None, O None
Polyamide resin-A	68410-22-0	1.3	A None, O None
Polyamide resin-B	68410-23-1	None	A None, O None
Polyester resin	NotAvail	None	A None, O None
Polymer base	NotAvail	9.1@68.0 °F	A None, O None
Polyvinyl butyral resin-A	27360-07-2	<0.0	A None, O None
Polyvinyl butyral resin-B	68648-78-2	None	A None, O None
Propylene glycol methyl ether	107-98-2	11.2@77.0 °F	A 150.0 ppm 15 min STEL, A 100.0 ppm, O None
Propylene glycol monomethyl ether acetate	108-65-6	3.8	D 30.0 ppm 15 min TWA, A None, O None
Quartz-crystalline silica	14808-60-7	None	A 25.0 ug/m3 Respirable Dust, O 0.3 mg/m3 Total Dust, O 0.1 mg/m3 Respirable Dust, D 0.0 mg/m3 Respirable Dust, D 0.0 mg/m3 12 hr TWA Respirable Dust
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
Resin	9003-35-4	None	A None, O None
Salicylic acid	69-72-7	<0.0	O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, A None
Strontium phosphate	13450-99-2	None	A None, O None
Synthetic resin	NotAvail	None	A None, O None
T-butyl acetate	540-88-5	None	A 200.0 ppm, O 200.0 ppm
Titanium dioxide	13463-67-7	None	O 15.0 mg/m3 Total Dust, D 10.0 mg/m3 Total Dust, D 5.0 mg/m3 Respirable Dust, A None

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
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 Skin
Vm&p naphtha	8032-32-4	17.9@68.0 °F	A 300.0 ppm, D 100.0 ppm, O None
Water	7732-18-5	23.6	A None, O None
Wollastonite	13983-17-0	<0.0	D 2.0 Fibres/ml, A None, O None
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
Zinc molybdate	61583-60-6	None	A 10.0 mg/m3 inhalable dust Mo, O 10.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Zinc oxide	1314-13-2	None	A 10.0 mg/m3 15 min STEL Respirable Dust, A 2.0 mg/m3 Respirable Dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Zinc phosphate	7779-90-0	None	O 5.0 mg/m3 Respirable Dust, A None
Zirconium oxide	1314-23-4	None	A 10.0 mg/m3 15 min STEL, A 5.0 mg/m3, O 5.0 mg/m3 Zr

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

### 3. Hazards identification

#### Potential Health Effects:

##### Inhalation:

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

##### Ingestion:

May result in gastrointestinal distress.

##### Skin or eye contact:

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

#### Other Potential Health Effects in addition to those listed above:

##### 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.

##### 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.

##### Aromatic hydrocarbon-A

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.

##### Aromatic hydrocarbon-B

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 a /epichlorohydrin

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

##### Bisphenol a/epichlorohydrin polymer

Genetic damage in bacterial cell cultures, but not observed in animals.

**Bisphenol-epichlorohydrin type polymer**

The following medical conditions may be aggravated by exposure: skin disorders. Vapor may be irritating at elevated temperatures. Repeated or prolonged skin contact may cause any of the following: allergic contact dermatitis.

**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.

**Cobalt neodecanoate**

Some cobalt compounds may be possible human carcinogens.

**Cristobalite siO2**

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. WARNING: This chemical is known to the State of California to cause cancer.

**Cumene**

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

**Cyclohexanone**

Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. Liquid splashes in the eye may result in chemical burns. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive.

**Diacetone alcohol**

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: cardiovascular system, central nervous system, eyes, respiratory system, skin, red blood cells. Overexposure may cause damage to any of the following organs/systems: kidneys, liver, red blood cells. Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive.

**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.

**Epoxy resins, liquid**

The following medical conditions may be aggravated by exposure: allergies, eczema, skin disorders. Irritating to the mouth, throat and stomach. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin.

**Epoxy resin-B**

The following medical conditions may be aggravated by exposure: skin disorders. Vapor may be irritating at elevated temperatures. Repeated or prolonged skin contact may cause any of the following: allergic contact dermatitis.

**Epoxy resin-C**

Skin contact may cause any of the following: irritation.

**Epoxy urethane resin**

Eye contact may cause any of the following: irritation.

**Ethanol, 2-(2-butoxyethoxy)-**

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, kidneys, liver, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver. Recurrent overexposure may result in liver and kidney injury. High doses in laboratory animals have shown non specific effects such as irritation, weight loss, moderate blood changes. Eye contact may cause any of the following: severe irritation, burns, corneal injury.

**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.

**Ethyl alcohol**

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

**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. If absorbed through the skin, may be: harmful.

**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.

**Isobutyl alcohol**

Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. May cause irritation of the mucous membranes. May cause abnormal liver function. 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: bone marrow, liver. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns.

**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 may cause skin irritation with discomfort or rash. Can be absorbed through the skin in harmful amounts. 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. Aspiration may occur during swallowing or vomiting, resulting in lung damage. May cause central nervous system depression with headache, stupor, uncoordinated or strange behavior, or unconsciousness. Irritating to the mouth, throat and stomach. May cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, coughing and possibly accompanied by chest pain. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness. Swallowing significant amounts of substance could cause serious injury, even death.

**Kaolin**

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

**Methyl alcohol**

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, kidneys, liver, skin. Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Ingestion may cause any of the following: blindness. Eye contact may cause any of the following: conjunctivitis, mild irritation, corneal opacity. Studies in laboratory animals have shown embryotoxic and developmental effects.

**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.

**Methyl isoamyl ketone**

Extremely high oral doses in laboratory animals have shown weight changes in various organs such as the liver, kidney and adrenal gland. In addition liver injury was observed.

**Methyl isobutyl carbinol**

Extremely high concentrations have caused blood changes and weakness in laboratory animals. Liquid splashes in the eye may result in chemical burns. Male rats exposed to very high airborne levels showed an increase in kidney weights. These effects were not seen in male rats exposed to lower concentrations, or in female rats at the same level.

**Methyl isobutyl ketone**

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

**Methyl n-propyl ketone**

May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. May cause any of the following central nervous system effects: drowsiness. May cause eye irritation with discomfort, tearing, or blurred vision.

**Methyl pyrrolidone**

The following medical conditions may be aggravated by exposure: skin disorders. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in laboratory animals have shown effects on any of the following organs/systems: kidneys, liver. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

**N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane**

May cause allergic skin reaction. Can produce skin sensitization in animals.

**N-butyl alcohol**

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

**Naphthalene**

Is an IARC, NTP or OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: kidneys, liver. Recurrent overexposure may result in liver and kidney injury. WARNING: This chemical is known to the State of California to cause cancer.

**Nitrocellulose**

The following medical conditions may be aggravated by overexposure: liver disease, kidney disorders.

**Phosphoric acid**

Ingestion may cause any of the following: burns to mouth and stomach. Inhalation of vapor may cause any of the following: burns to respiratory system. Skin or eye contact may cause any of the following: burns.

**Polyester resin**

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

**Polymer base**

Eye contact may cause any of the following: blurred vision, severe irritation, redness, tearing. Inhalation of high vapor concentrations may cause any of the following: stupor (central nervous system depression). Repeated or prolonged inhalation may cause any of the following: dizziness, headache, nausea, irritation to the nose, lung irritation.

**Polyvinyl butyral resin-B**

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.

**Propylene glycol methyl ether**

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

**Propylene glycol monomethyl ether acetate**

Recurrent overexposure may result in liver and kidney injury.

**Quartz-crystalline silica**

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

**Red iron oxide light**

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

**Salicylic acid**

Individuals with preexisting diseases of the liver or kidneys may have increased susceptibility to the toxicity of excessive exposures. Skin permeation can occur in amounts capable of producing the effects of systemic toxicity.

**T-butyl acetate**

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, gastrointestinal system, liver, skin.

**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.'

**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.

**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.

**Wollastonite**

Long-term respiratory exposure exceeding TLV may damage the lungs, leading to bronchitis and impairment of lung capacity.

**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.

#### **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.

#### **5. Fire-fighting measures**

##### **Flash Point (Closed Cup):**

See Section 11 for exact values.

**Flammable Limits:** LFL 0.5 % UFL 21.2 %

##### **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.

#### **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.

#### **7. Handling and storage**

##### **Precautions to be taken in handling and storing:**

Observe label precautions. If combustible (flashpoint between 38-93 deg C or 100 - 200 deg F), keep away from heat, sparks and flame. If flammable (flashpoint less than 38 deg C or 100 deg F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than - 8 deg C or 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 49 deg C or 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. Combustible dust clouds may be created where operations produce fine material (dust). Avoid formation of significant deposits of material as they may become airborne and form combustible dust clouds. Handling and processing operations should be conducted in accordance with best practices (e.g.NFPA-654).

#### **8. Exposure controls/personal protection**

##### **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 and body protection:**

Neoprene gloves and coveralls are recommended.

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

**9. Physical and chemical properties**

Evaporation rate	Slower than Ether
Water solubility	NIL
Vapour density	Heavier than air
Approx. Boiling Range ( °C)	55 – 152 °C
Approx. Freezing Range ( °C)	-134 – -65 °C
Gallon Weight (lbs/gal)	6.59287 - 14.496
Specific Gravity	0.79 - 1.74
Percent Volatile By Volume	44.18 - 99.32
Percent Volatile By Weight	22.73 - 96.07
Percent Solids By Volume	0.69 - 55.82
Percent Solids By Weight	1.66 - 73.47

**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 38 deg C or 100 deg F) and combustibles (flashpoint between 38- 93 deg C or 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.

**11. Additional Information**

**1480S™** 4-chlorobenzotrifluoride, Acetone, Acrylic polymer-A, Barium sulfate, Butyl acetate, Calcined kaolin, Ethylbenzene(0.5%\*<sup>@</sup>), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Phosphoric acid, calcium salt, Polyester resin, Titanium dioxide(5.5%), Xylene(2%\*<sup>@</sup>), Zinc oxide(2%\*) **GAL WT: 13.69 WT PCT SOLIDS: 73.47 VOL PCT SOLIDS: 54.65 SOLVENT DENSITY: 8.01 VOC LE: 2.1 VOC AP: 1.6 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**1481S™** 4-chlorobenzotrifluoride, Butyl acetate, Epoxy resin-A, Methyl acetate, Methyl isoamyl ketone **GAL WT: 9.26 WT PCT SOLIDS: 41.15 VOL PCT SOLIDS: 45.33 SOLVENT DENSITY: 9.97 VOC LE: 1.7 VOC AP: 1.0 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**1489S™** 4-chlorobenzotrifluoride, Epoxy resin-A, Glycol dibenzoate ester, Methyl acetate, Methyl isoamyl ketone, Methyl pyrrolidone(10%\*) **GAL WT: 8.98 WT PCT SOLIDS: 51.67 VOL PCT SOLIDS: 54.41 SOLVENT DENSITY: 9.52 VOC LE: 2.1 VOC AP: 1.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**1852S™** Butyl acetate, Ethylbenzene(0.2%\*<sup>@</sup>), Ethylene glycol monobutyl ether acetate(18%\*<sup>@</sup>), Methyl amyl ketone, Methyl isobutyl ketone(1%\*<sup>@</sup>), Methyl n-propyl ketone, Polymer base, Xylene(1%\*<sup>@</sup>) **GAL WT: 8.44 WT PCT SOLIDS: 57.71 VOL PCT SOLIDS: 51.99 SOLVENT DENSITY: 7.20 VOC LE: 3.6 VOC AP: 3.6 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**1853S™** Alkyd resin, Butyl acetate, Carbon black(6.8%), Cobalt neodecanoate(0.1%\*<sup>@</sup>), Ethylbenzene(0.5%\*<sup>@</sup>), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Toluene(3%\*<sup>@</sup>), Xylene(2%\*<sup>@</sup>), Zinc phosphate(2%\*) **GAL WT: 10.84 WT PCT SOLIDS: 68.64 VOL PCT SOLIDS: 51.36 SOLVENT DENSITY: 7.00 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: NO**

**1854S™** Alkyd resin, Butyl acetate, Ethylbenzene(0.5%\*<sup>@</sup>), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Quartz-crystalline silica(0.1%), Titanium dioxide(6.5%), Toluene(2%\*<sup>@</sup>), Xylene(2%\*<sup>@</sup>), Zinc phosphate(3%\*) **GAL WT: 12.06 WT PCT SOLIDS: 72.08 VOL PCT SOLIDS: 51.71 SOLVENT DENSITY: 6.99 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: NO**

**1855S™** Ethylbenzene(0.7%\*<sup>@</sup>), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl isobutyl ketone(0%\*<sup>@</sup>), Methyl n-propyl ketone, Polymer base, Quartz-crystalline silica(0.1%), Xylene(3%\*<sup>@</sup>), Yellow iron oxide, Zinc phosphate(3%\*) **GAL WT: 11.86 WT PCT SOLIDS: 71.74 VOL PCT SOLIDS: 51.61 SOLVENT DENSITY: 6.83 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: YES**

**1856S™** Alkyd resin, Butyl acetate, Carbon black(0.2%), Ethylbenzene(0.5%\* @), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Quartz-crystalline silica(0.1%), Titanium dioxide(6.3%), Toluene(2%\* @), Xylene(2%\* @), Zinc phosphate(3%\*) **GAL WT: 12.02 WT PCT SOLIDS: 71.98 VOL PCT SOLIDS: 51.70 SOLVENT DENSITY: 6.99 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: NO**

**1857S™** Alkyd resin, Butyl acetate, Ethylbenzene(0.2%\* @), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Quartz-crystalline silica(0.1%), Red iron oxide light, Toluene(2%\* @), Zinc phosphate(3%\*) **GAL WT: 12.10 WT PCT SOLIDS: 72.25 VOL PCT SOLIDS: 51.70 SOLVENT DENSITY: 6.97 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: NO**

**22805S™** Acetone, Ethyl acetate, Ethyl alcohol, Heptane, Methyl alcohol(1%\* @), Methyl isobutyl ketone(0%\* @), N-butyl alcohol(39%\*), Phosphoric acid, Toluene(1%\* @), Water **GAL WT: 6.72 WT PCT SOLIDS: 3.84 VOL PCT SOLIDS: 1.57 SOLVENT DENSITY: 6.57 VOC LE: 6.4 VOC AP: 5.6 FLASH POINT: Below 20 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**22806S™** Acetone, Ethyl acetate, Ethyl alcohol, Heptane, Methyl alcohol(1%\* @), Methyl isobutyl ketone(0%\* @), N-butyl alcohol(39%\*), Phosphoric acid, Toluene(1%\* @), Water **GAL WT: 6.81 WT PCT SOLIDS: 3.84 VOL PCT SOLIDS: 1.59 SOLVENT DENSITY: 6.66 VOC LE: 6.5 VOC AP: 5.0 FLASH POINT: Below 20 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**22880S™** 4-chlorobenzotrifluoride, Acetone, Carbon black(0.2%), Epoxy resin-B, Hydrous magnesium silicate, Isopropyl alcohol, N-butyl alcohol(5%\*), Polyvinyl butyral resin-A, Resin, Titanium dioxide(0.8%), Zinc oxide(3%\*) **GAL WT: 8.25 WT PCT SOLIDS: 19.82 VOL PCT SOLIDS: 11.72 SOLVENT DENSITY: 7.47 VOC LE: 3.8 VOC AP: 1.0 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**235S™** Acetone, Barium sulfate, Cyclohexanone, Epoxy urethane resin, Ethyl acetate, Ethylbenzene(0.1%\* @), Glycol dibenzoate ester, Iron hydroxide, Kaolin, Methyl amyl ketone, Propylene glycol monomethyl ether acetate, Titanium dioxide(4.6%), Zinc oxide(1%\*), Zinc phosphate(12%\*) **GAL WT: 10.62 WT PCT SOLIDS: 61.05 VOL PCT SOLIDS: 40.48 SOLVENT DENSITY: 7.18 VOC LE: 2.2 VOC AP: 1.3 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**2503S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, Isopropyl alcohol, Methyl ethyl ketone, Methyl isobutyl ketone(9%\* @), N-pentyl propionate, Polyamide resin-B, Toluene(20%\* @) **GAL WT: 7.05 WT PCT SOLIDS: 21.23 VOL PCT SOLIDS: 18.19 SOLVENT DENSITY: 6.79 VOC LE: 5.5 VOC AP: 5.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2505S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, Acetone, Isobutyl alcohol, Isopropyl alcohol, Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(17%\* @), N-pentyl propionate, Polyamide resin-B, Propylene glycol monomethyl ether acetate, Toluene(7%\* @) **GAL WT: 7.03 WT PCT SOLIDS: 19.72 VOL PCT SOLIDS: 16.83 SOLVENT DENSITY: 6.79 VOC LE: 5.6 VOC AP: 5.3 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2507S™** 1,2,4-trimethyl benzene(2%\*), 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, Acetone, Aromatic hydrocarbon-B, Ethylbenzene(1.4%\* @), Isobutyl alcohol, Isopropyl alcohol, Methyl amyl ketone, Methyl isobutyl ketone(10%\* @), N-pentyl propionate, Polyamide resin-B, Propylene glycol monomethyl ether acetate, Xylene(6%\* @) **GAL WT: 7.16 WT PCT SOLIDS: 19.64 VOL PCT SOLIDS: 17.05 SOLVENT DENSITY: 6.94 VOC LE: 5.7 VOC AP: 5.0 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2509S™** 1,2,4-trimethyl benzene(2%\*), 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, Acetone, Aromatic hydrocarbon-B, Cumene(0.1%\* @), Isobutyl alcohol, Isopropyl alcohol, Methyl amyl ketone, N-pentyl propionate, Polyamide resin-B, Propylene glycol monomethyl ether acetate **GAL WT: 7.19 WT PCT SOLIDS: 19.58 VOL PCT SOLIDS: 17.05 SOLVENT DENSITY: 6.97 VOC LE: 5.6 VOC AP: 4.6 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**2510S™** Acetone, Aluminum hydroxide, Barium sulfate, Bisphenol a/epichlorohydrin polymer, Butyl acetate, Diacetone alcohol, Ethylbenzene(2.7%\* @), Methyl amyl ketone, N-butyl alcohol(3%\*), Propylene glycol monomethyl ether acetate, Titanium dioxide(25.3%), Toluene(1%\* @), Wollastonite, Wollastonite, Xylene(11%\* @), Zinc oxide(1%\*), Zinc phosphate(2%\*) **GAL WT: 12.20 WT PCT SOLIDS: 65.16 VOL PCT SOLIDS: 41.75 SOLVENT DENSITY: 7.21 VOC LE: 4.0 VOC AP: 3.7 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2540S™** Acetone, Barium sulfate, Bisphenol a/epichlorohydrin polymer, Butyl acetate, Carbon black(0.2%), Diacetone alcohol, Ethylbenzene(2.6%\* @), Limestone (calcium carbonate), Methyl amyl ketone, Methyl isobutyl ketone(1%\* @), N-butyl alcohol(3%\*), Propylene glycol monomethyl ether acetate, Titanium dioxide(7.2%), Toluene(1%\* @), Wollastonite, Wollastonite, Xylene(10%\* @), Zinc oxide(1%\*), Zinc phosphate(3%\*) **GAL WT: 11.90 WT PCT SOLIDS: 65.03 VOL PCT SOLIDS: 43.35 SOLVENT DENSITY: 7.26 VOC LE: 4.1 VOC AP: 4.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2570S™** Acetone, Barium sulfate, Bisphenol a/epichlorohydrin polymer, Butyl acetate, Carbon black(0.6%), Diacetone alcohol, Ethylbenzene(2.6%\* @), Limestone (calcium carbonate), Methyl amyl ketone, Methyl isobutyl ketone(1%\* @), N-butyl alcohol(3%\*), Propylene glycol monomethyl ether acetate, Titanium dioxide(1.9%), Toluene(1%\* @), Wollastonite, Wollastonite, Xylene(10%\* @), Zinc oxide(1%\*), Zinc phosphate(3%\*) **GAL WT: 11.98 WT PCT SOLIDS: 65.57 VOL PCT SOLIDS: 43.84 SOLVENT DENSITY: 7.26 VOC LE: 4.1 VOC AP: 4.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**2590S™** Barium sulfate, Bisphenol a/epichlorohydrin polymer, Butyl acetate, Carbon black(1.0%), Diacetone alcohol, Ethylbenzene(2.6%\* @), Limestone (calcium carbonate), Methyl amyl ketone, Methyl isobutyl ketone(2%\* @), N-butyl alcohol(3%\*), Propylene glycol monomethyl ether acetate, Toluene(1%\* @), Wollastonite, Wollastonite, Xylene(10%\* @), Zinc oxide(1%\*), Zinc phosphate(3%\*) **GAL WT: 11.93 WT PCT SOLIDS: 65.58 VOL PCT SOLIDS: 44.19 SOLVENT DENSITY: 7.27 VOC LE: 4.1 VOC AP: 4.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY**

**REACTIVE: YES**

**4001S<sup>TM</sup>** Acrylic polymer-A, Barium sulfate, Butyl acetate, Ethylbenzene(1.1%\*<sup>@</sup>), Hydrous magnesium silicate, Isobutyl alcohol, Methyl amyl ketone, Propylene glycol methyl ether, Titanium dioxide(19.8%), Wollastonite, Xylene(5%\*<sup>@</sup>), Zinc oxide(1%\*), Zinc phosphate(4%\*) **GAL WT: 12.62 WT PCT SOLIDS: 66.38 VOL PCT SOLIDS: 41.35 SOLVENT DENSITY: 7.22 VOC LE: 4.2 VOC AP: 4.2 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4004S<sup>TM</sup>** Acrylic polymer-A, Barium sulfate, Butyl acetate, Calcined kaolin, Carbon black(0.1%), Ethylbenzene(1.0%\*<sup>@</sup>), Hydrous magnesium silicate, Methyl amyl ketone, N-butyl alcohol(3%\*), Phosphoric acid, calcium salt, Propylene glycol methyl ether, Titanium dioxide(4.9%), Wollastonite, Xylene(4%\*<sup>@</sup>), Zinc oxide(2%\*) **GAL WT: 11.80 WT PCT SOLIDS: 65.66 VOL PCT SOLIDS: 43.98 SOLVENT DENSITY: 7.14 VOC LE: 4.1 VOC AP: 4.1 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4075S<sup>TM</sup>** Aromatic hydrocarbon-B, Butyl acetate, Epoxy resin-C, Ethylbenzene(2.7%\*<sup>@</sup>), Methyl isobutyl ketone(49%\*<sup>@</sup>), N-butyl alcohol(2%), Xylene(11%\*<sup>@</sup>) **GAL WT: 7.12 WT PCT SOLIDS: 19.83 VOL PCT SOLIDS: 16.85 SOLVENT DENSITY: 6.96 VOC LE: 5.7 VOC AP: 5.7 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4095S<sup>TM</sup>** 1,2,4-trimethyl benzene(3%\*), 4,6-dimethyl-2-heptanone, Aromatic hydrocarbon-B, Cumene(0.2%\*<sup>@</sup>), Diisobutyl ketone, Epoxy resin-C, Ethylbenzene(2.1%\*<sup>@</sup>), Methyl amyl ketone, Methyl isobutyl ketone(19%\*<sup>@</sup>), N-butyl alcohol(2%), N-pentyl propionate, Propylene glycol monomethyl ether acetate, Xylene(8%\*<sup>@</sup>) **GAL WT: 7.32 WT PCT SOLIDS: 19.48 VOL PCT SOLIDS: 17.03 SOLVENT DENSITY: 7.11 VOC LE: 5.9 VOC AP: 5.9 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4904S<sup>TM</sup>** Acrylic polymer-A, Butyl acetate, Calcined kaolin, Carbon black(0.2%), Ethyl acetate, Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Phosphoric acid, calcium salt, Polyester resin, Propylene glycol methyl ether, Titanium dioxide(8.0%), Zinc oxide(4%\*) **GAL WT: 12.51 WT PCT SOLIDS: 70.89 VOL PCT SOLIDS: 49.90 SOLVENT DENSITY: 7.28 VOC LE: 3.6 VOC AP: 3.6 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**4910S<sup>TM</sup>** Acetone, Aluminum hydroxide, Barium sulfate, Bis a /epichlorohydrin, Ceramic microspheres, Ethylbenzene(0.3%\*<sup>@</sup>), Hydrous magnesium silicate, Methyl amyl ketone, N-pentyl propionate, Polyester resin, Propylene glycol monomethyl ether acetate, Titanium dioxide(30.2%), Xylene(1%\*<sup>@</sup>), Zinc oxide(1%), Zinc oxide(2%), Zinc phosphate(3%\*) **GAL WT: 12.64 WT PCT SOLIDS: 68.13 VOL PCT SOLIDS: 44.17 SOLVENT DENSITY: 7.22 VOC LE: 3.8 VOC AP: 3.5 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**4940S<sup>TM</sup>** Acetone, Barium sulfate, Barium sulfate, Bis a /epichlorohydrin, Calcined kaolin, Carbon black(0.2%), Ceramic microspheres, Ethylbenzene(0.4%\*<sup>@</sup>), Hydrous magnesium silicate, Methyl amyl ketone, N-pentyl propionate, Polyester resin, Propylene glycol monomethyl ether acetate, Titanium dioxide(7.9%), Xylene(1%\*<sup>@</sup>), Zinc oxide(1%), Zinc oxide(3%), Zinc phosphate(4%\*) **GAL WT: 12.18 WT PCT SOLIDS: 66.23 VOL PCT SOLIDS: 43.19 SOLVENT DENSITY: 7.24 VOC LE: 3.8 VOC AP: 3.5 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**4965S<sup>TM</sup>** Butyl acetate, Epoxy resin-C, Ethyl acetate, Ethylbenzene(1.5%\*<sup>@</sup>), Methyl amyl ketone, Methyl isobutyl ketone(24%\*<sup>@</sup>), Propylene glycol methyl ether, Toluene(6%\*<sup>@</sup>), Xylene(6%\*<sup>@</sup>) **GAL WT: 7.43 WT PCT SOLIDS: 31.20 VOL PCT SOLIDS: 27.62 SOLVENT DENSITY: 7.08 VOC LE: 5.1 VOC AP: 5.1 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4970S<sup>TM</sup>** Acetone, Barium sulfate, Barium sulfate, Bis a /epichlorohydrin, Calcined kaolin, Carbon black(1.8%), Ceramic microspheres, Ethylbenzene(0.2%\*<sup>@</sup>), Hydrous magnesium silicate, Methyl amyl ketone, N-pentyl propionate, Polyester resin, Propylene glycol monomethyl ether acetate, Titanium dioxide(2.9%), Zinc oxide(2%), Zinc oxide(3%), Zinc phosphate(5%\*) **GAL WT: 11.69 WT PCT SOLIDS: 63.88 VOL PCT SOLIDS: 42.16 SOLVENT DENSITY: 7.61 VOC LE: 4.1 VOC AP: 4.0 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**4975S<sup>TM</sup>** Butyl acetate, Epoxy resin-C, Ethylbenzene(2.5%\*<sup>@</sup>), Methyl amyl ketone, Methyl isobutyl ketone(24%\*<sup>@</sup>), N-butyl alcohol(10%), Propylene glycol monomethyl ether acetate, Xylene(10%\*<sup>@</sup>) **GAL WT: 7.33 WT PCT SOLIDS: 32.40 VOL PCT SOLIDS: 28.38 SOLVENT DENSITY: 6.94 VOC LE: 5.0 VOC AP: 5.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**4995S<sup>TM</sup>** 1,2,4-trimethyl benzene(1%\*), 4-chlorobenzotrifluoride, Aromatic hydrocarbon-B, Epoxy resin-C, Methyl amyl ketone, Methyl isobutyl ketone(13%\*<sup>@</sup>), N-pentanol, N-pentyl propionate, Propylene glycol monomethyl ether acetate **GAL WT: 7.82 WT PCT SOLIDS: 30.44 VOL PCT SOLIDS: 28.44 SOLVENT DENSITY: 7.62 VOC LE: 4.9 VOC AP: 4.5 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**614S<sup>TM</sup>** Isobutyl alcohol, Methyl isobutyl carbinol, Phosphoric acid, Propylene glycol monomethyl ether acetate, Water **GAL WT: 6.98 WT PCT SOLIDS: 1.70 VOL PCT SOLIDS: 0.72 SOLVENT DENSITY: 6.91 VOC LE: 6.8 VOC AP: 6.7 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**616S<sup>TM</sup>** Acetone, Butyl acetate, Heptane, N-butyl alcohol(42%\*), Phosphoric acid, Propylene glycol monomethyl ether acetate, Toluene(3%\*<sup>@</sup>), Water **GAL WT: 6.82 WT PCT SOLIDS: 1.66 VOL PCT SOLIDS: 0.69 SOLVENT DENSITY: 6.75 VOC LE: 6.7 VOC AP: 5.7 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**620S<sup>TM</sup>** Acetone, Heptane, Isobutyl alcohol, Phosphoric acid, Toluene(3%\*<sup>@</sup>), Water **GAL WT: 6.59 WT PCT SOLIDS: 1.70 VOL PCT SOLIDS: 0.69 SOLVENT DENSITY: 6.52 VOC LE: 6.4 VOC AP: 4.5 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**625S<sup>TM</sup>** Acetone, Aluminium and phosphor mixture, Barium sulfate, Butyl acetate, Cristobalite siO<sub>2</sub>(0.6%), Ethyl alcohol, Ethylbenzene(0.2%\*<sup>@</sup>), Hydrous magnesium silicate, Iron hydroxide, Isopropyl alcohol, Limestone (calcium carbonate), Methyl isobutyl ketone(5%\*<sup>@</sup>), N-butyl alcohol(2%\*), Nitrocellulose, Phenolic resin, Polyvinyl butyral resin-B, Titanium dioxide(3.3%), Toluene(16%\*<sup>@</sup>), Zinc oxide(2%), Zinc phosphate(3%\*) **GAL WT: 9.70 WT PCT SOLIDS: 44.64 VOL PCT SOLIDS: 24.43 SOLVENT DENSITY: 7.17 VOC LE: 5.3 VOC AP: 5.2 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance**

product contains a chemical substance that is subject to export notification under Section 12(b) of the Toxic Substances Control Act, 15 U.S.C. et seq. (This requirement applies to exports from the United States only). This material is subject to a Significant New Use Rule (SNUR) 40 CFR 721.5908, prohibiting predictable or purposeful release to waters of the United States. PHOTOCHEMICALLY REACTIVE: YES

**681-91853™** 4-chlorobenzotrifluoride, Acetone, Alkyd resin, Butyl acetate, Carbon black(6.5%), Ethylbenzene(0.5%\*), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl isoamyl ketone, Methyl isobutyl ketone(0%\*@), Methyl n-propyl ketone, Polymer base, Toluene(2%\*@), Xylene(2%\*@), Zinc phosphate(2%\*) GAL WT: 10.70 WT PCT SOLIDS: 66.07 VOL PCT SOLIDS: 49.34 SOLVENT DENSITY: 7.13 VOC LE: 3.4 VOC AP: 3.2 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES

**681P28296™** Alkyd resin, Butyl acetate, Carbon black(0.2%), Ethylbenzene(0.6%\*), Ethylene glycol monobutyl ether acetate(1%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl isobutyl ketone(0%\*@), Methyl n-propyl ketone, Polymer base, Quartz-crystalline silica(0.1%), Titanium dioxide(4.9%), Xylene(2%\*@), Yellow iron oxide, Zinc phosphate(2%\*) GAL WT: 11.58 WT PCT SOLIDS: 71.02 VOL PCT SOLIDS: 51.90 SOLVENT DENSITY: 6.89 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: NO

**681P34238™** Acetone, Acrylic polymer-C, Alkyd resin, Butyl acetate, Ethyl acetate, Ethylbenzene(0.3%\*@), Ethylene glycol monobutyl ether acetate(2%\*@), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Titanium dioxide(0.1%), Titanium dioxide(12.0%), Toluene(1%\*@), Xylene(1%\*@), Zinc oxide(1%\*), Zinc phosphate(1%\*) GAL WT: 11.56 WT PCT SOLIDS: 68.78 VOL PCT SOLIDS: 48.09 SOLVENT DENSITY: 6.97 VOC LE: 3.4 VOC AP: 3.2 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**7701S™** Acrylic polymer-B, Amorphous silica, Barium sulfate, Butyl acetate, Ethylbenzene(2.8%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(3%\*@), Titanium dioxide(16.4%), Xylene(11%\*@) GAL WT: 11.82 WT PCT SOLIDS: 66.30 VOL PCT SOLIDS: 42.80 SOLVENT DENSITY: 6.97 VOC LE: 4.0 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 PHOTOCHEMICALLY REACTIVE: YES

**7704S™** Acrylic polymer-B, Barium sulfate, Butyl acetate, Carbon black(0.2%), Ethylbenzene(2.8%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(4%\*@), Titanium dioxide(6.3%), Xylene(11%\*@) GAL WT: 11.54 WT PCT SOLIDS: 66.26 VOL PCT SOLIDS: 44.06 SOLVENT DENSITY: 6.97 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 PHOTOCHEMICALLY REACTIVE: YES

**7707S™** Acrylic polymer-B, Barium sulfate, Butyl acetate, Carbon black(0.4%), Ethylbenzene(3.1%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(3%\*@), Titanium dioxide(1.0%), Xylene(13%\*@) GAL WT: 11.22 WT PCT SOLIDS: 63.92 VOL PCT SOLIDS: 41.94 SOLVENT DENSITY: 6.98 VOC LE: 4.0 VOC AP: 4.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES

**7710S™** Acrylic polymer-B, Aluminum hydroxide, Butyl acetate, Ethylbenzene(2.3%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(5%\*@), Synthetic resin, Titanium dioxide(27.4%), Xylene(9%\*@), Zinc phosphate(6%\*) GAL WT: 11.14 WT PCT SOLIDS: 58.90 VOL PCT SOLIDS: 34.07 SOLVENT DENSITY: 6.96 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 PHOTOCHEMICALLY REACTIVE: YES

**7740S™** Acrylic polymer-B, Barium sulfate, Butyl acetate, Carbon black(0.2%), Ethylbenzene(2.3%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(5%\*@), Synthetic resin, Titanium dioxide(7.8%), Xylene(9%\*@), Zinc phosphate(7%\*) GAL WT: 10.86 WT PCT SOLIDS: 57.82 VOL PCT SOLIDS: 34.02 SOLVENT DENSITY: 6.95 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 PHOTOCHEMICALLY REACTIVE: YES

**7770S™** Acrylic polymer-B, Barium sulfate, Butyl acetate, Carbon black(1.0%), Ethylbenzene(2.3%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Methyl ethyl ketone, Methyl isobutyl ketone(4%\*@), Synthetic resin, Titanium dioxide(2.1%), Xylene(9%\*@), Zinc phosphate(7%\*) GAL WT: 10.88 WT PCT SOLIDS: 58.07 VOL PCT SOLIDS: 34.58 SOLVENT DENSITY: 6.98 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 PHOTOCHEMICALLY REACTIVE: YES

**824S™** Acetone, Barium sulfate, Butyl acetate, Epoxy resin-B, Hydrous magnesium silicate, Isopropyl alcohol, N-butyl alcohol(3%\*), Propylene glycol methyl ether, Titanium dioxide(14.9%), Toluene(6%\*@), Zinc molybdate(1%\*), Zinc oxide(3%\*) GAL WT: 12.86 WT PCT SOLIDS: 65.06 VOL PCT SOLIDS: 37.30 SOLVENT DENSITY: 7.16 VOC LE: 4.4 VOC AP: 4.1 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**825P05034™** Acetone, Barium sulfate, Carbon black(0.3%), Cyclohexanone, Epoxy urethane resin, Ethyl acetate, Glycol dibenzoate ester, Hydrous magnesium silicate, Kaolin, Methyl amyl ketone, Propylene glycol monomethyl ether acetate, Titanium dioxide(2.5%), Zinc oxide(1%\*), Zinc phosphate(11%\*) GAL WT: 9.93 WT PCT SOLIDS: 54.88 VOL PCT SOLIDS: 34.76 SOLVENT DENSITY: 7.04 VOC LE: 2.2 VOC AP: 1.1 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**825P28300™** 2-ethylhexyl acetate, Acetone, Acrylic polymer-A, Barium sulfate, Bisphenol-epichlorohydrin type polymer, Carbon black(0.6%), Epoxy resin-B, Ethylbenzene(0.7%\*@), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl acetate, Methyl isoamyl ketone, N-butyl alcohol(3%\*), Wollastonite, Xylene(3%\*@), Zinc oxide(3%\*), Zinc phosphate(4%\*), Zirconium oxide GAL WT: 10.67 WT PCT SOLIDS: 58.46 VOL PCT SOLIDS: 39.09 SOLVENT DENSITY: 7.31 VOC LE: 3.1 VOC AP: 2.2 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES

**825P30018™** 1,2,4-trimethyl benzene(4%\*), Acetone, Acrylic polymer-A, Aromatic hydrocarbon-B, Barium sulfate, Bisphenol-epichlorohydrin type polymer, Cumene(0.2%\*@), Epoxy resin-B, Ethylbenzene(0.4%\*@), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl isoamyl ketone, N-butyl alcohol(4%\*), Titanium dioxide(0.1%), Titanium dioxide(9.4%), Wollastonite, Xylene(2%\*@), Zinc phosphate(2%\*) GAL WT: 11.94 WT PCT SOLIDS: 69.31 VOL PCT SOLIDS: 47.46 SOLVENT DENSITY: 6.95 VOC LE: 3.4 VOC AP: 3.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In

**Compliance PHOTOCHEMICALLY REACTIVE: YES**

**825P30020™** 1,2,4-trimethyl benzene(3%\*), Acetone, Acrylic polymer-A, Aromatic hydrocarbon-B, Barium sulfate, Bisphenol-epichlorohydrin type polymer, Cumene(0.1%\*), Epoxy resin-B, Ethylbenzene(0.4%\*), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl isoamyl ketone, N-butyl alcohol(4%\*), Titanium dioxide(0.1%), Titanium dioxide(9.7%), Wollastonite, Xylene(2%\*) **GAL WT: 12.27 WT PCT SOLIDS: 72.17 VOL PCT SOLIDS: 50.79 SOLVENT DENSITY: 6.92 VOC LE: 3.1 VOC AP: 2.7 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**825P30022™** 1,2,4-trimethyl benzene(3%\*), Acetone, Acrylic polymer-A, Aromatic hydrocarbon-B, Bisphenol-epichlorohydrin type polymer, Cumene(0.1%\*), Epoxy resin-B, Ethylbenzene(0.5%\*), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl isoamyl ketone, N-butyl alcohol(2%\*), Titanium dioxide(0.1%), Titanium dioxide(21.2%), Xylene(2%\*), Zinc phosphate(5%\*) **GAL WT: 11.94 WT PCT SOLIDS: 70.01 VOL PCT SOLIDS: 48.09 SOLVENT DENSITY: 6.89 VOC LE: 3.0 VOC AP: 2.5 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**825P30024™** 1,2,4-trimethyl benzene(3%\*), Acetone, Acrylic polymer-A, Aromatic hydrocarbon-A, Aromatic hydrocarbon-B, Barium sulfate, Bisphenol a/epichlorohydrin polymer, Butyl acetate, Carbon black(1.0%), Cumene(0.2%\*), Epoxide resins, liquid, Epoxy resin-B, Ethylbenzene(0.5%\*), Hydrous magnesium silicate, Isopropyl alcohol, Methyl amyl ketone, N-butyl alcohol(4%\*), Naphthalene(0.1%\*), Propylene glycol monomethyl ether acetate, T-butyl acetate, Vm&p naphtha, Wollastonite, Xylene(2%\*), Zinc phosphate(4%\*), Zirconium oxide **GAL WT: 10.63 WT PCT SOLIDS: 61.25 VOL PCT SOLIDS: 41.63 SOLVENT DENSITY: 7.05 VOC LE: 4.1 VOC AP: 3.9 VOC LE (TBAC): 3.8 VOC AP (TBAC): 3.4 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**825P32760™** 1,2,4-trimethyl benzene(1%\*), 4-chlorobenzotrifluoride, Acetone, Acrylic polymer-A, Aromatic hydrocarbon-A, Aromatic hydrocarbon-B, Barium sulfate, Bisphenol a/epichlorohydrin polymer, Cumene(0.1%\*), Epoxide resins, liquid, Ethylbenzene(0.4%\*), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl amyl ketone, N-butyl alcohol(4%\*), Naphthalene(0.2%\*), Titanium dioxide(0.1%), Titanium dioxide(6.5%), Xylene(2%\*), Zinc phosphate(7%\*) **GAL WT: 12.45 WT PCT SOLIDS: 68.70 VOL PCT SOLIDS: 49.09 SOLVENT DENSITY: 7.63 VOC LE: 2.7 VOC AP: 2.1 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**826S™** Ethylbenzene(0.9%\*), Isopropyl alcohol, Methyl ethyl ketone, Methyl isobutyl carbinol, N-butyl alcohol(5%\*), Polyamide resin-A, Propylene glycol methyl ether, Toluene(4%\*), Xylene(3%\*) **GAL WT: 7.35 WT PCT SOLIDS: 40.51 VOL PCT SOLIDS: 37.61 SOLVENT DENSITY: 7.02 VOC LE: 4.4 VOC AP: 4.4 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**921S™** 4-chlorobenzotrifluoride, Acetone, Barium sulfate, Carbon black(0.1%), Epoxy resin-B, Ethylbenzene(0.5%\*), Limestone (calcium carbonate), N-butyl alcohol(3%), Strontium phosphate, Titanium dioxide(6.8%), Wollastonite, Wollastonite, Xylene(2%\*), Zinc phosphate(6%), Zirconium oxide **GAL WT: 13.16 WT PCT SOLIDS: 61.51 VOL PCT SOLIDS: 44.97 SOLVENT DENSITY: 9.23 VOC LE: 1.4 VOC AP: 0.8 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**922S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, 4-chlorobenzotrifluoride, Isopropyl alcohol, Methyl acetate, N-butyl alcohol(2%\*), Polyamide resin-B **GAL WT: 9.30 WT PCT SOLIDS: 15.52 VOL PCT SOLIDS: 17.54 SOLVENT DENSITY: 9.53 VOC LE: 2.1 VOC AP: 0.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**923S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, 4-chlorobenzotrifluoride, Diacetone alcohol, Isobutyl alcohol, Isopropyl alcohol, Polyamide resin-B **GAL WT: 10.35 WT PCT SOLIDS: 13.45 VOL PCT SOLIDS: 16.91 SOLVENT DENSITY: 10.78 VOC LE: 2.1 VOC AP: 0.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**934S™** 1,2,4-trimethyl benzene(3%\*), Acetone, Acrylic polymer-A, Aluminum hydroxide, Aromatic hydrocarbon-B, Bisphenol-epichlorohydrin type polymer, Carbon black(0.1%), Cumene(0.2%\*), Epoxy resin-B, Ethylbenzene(0.4%\*), Hydrous magnesium silicate, Kaolin, Limestone (calcium carbonate), Methyl isoamyl ketone, N-butyl alcohol(4%\*), Titanium dioxide(0.1%), Titanium dioxide(23.9%), Xylene(2%\*), Zinc phosphate(5%\*) **GAL WT: 11.99 WT PCT SOLIDS: 69.76 VOL PCT SOLIDS: 47.76 SOLVENT DENSITY: 6.92 VOC LE: 3.1 VOC AP: 2.6 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**936S™** Acetone, Epoxy resin-A, Ethylbenzene(0.9%\*), Methyl acetate, Methyl isoamyl ketone, N-butyl alcohol(13%\*), Xylene(4%\*) **GAL WT: 7.28 WT PCT SOLIDS: 38.25 VOL PCT SOLIDS: 33.14 SOLVENT DENSITY: 6.70 VOC LE: 2.9 VOC AP: 1.7 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**937S™** Epoxy resin-A, Ethylbenzene(1.8%\*), Methyl acetate, Methyl isoamyl ketone, N-butyl alcohol(26%\*), Xylene(7%\*) **GAL WT: 7.64 WT PCT SOLIDS: 54.83 VOL PCT SOLIDS: 49.89 SOLVENT DENSITY: 6.86 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 PHOTOCHEMICALLY REACTIVE: YES**

**938S™** Aromatic hydrocarbon-A, Cumene(0.1%\*), Epoxy resin-A, Ethylbenzene(4.0%\*), Methyl acetate, Methyl isoamyl ketone, N-butyl alcohol(9%\*), Naphthalene(0.5%\*), Xylene(16%\*) **GAL WT: 7.76 WT PCT SOLIDS: 54.83 VOL PCT SOLIDS: 50.63 SOLVENT DENSITY: 7.08 VOC LE: 3.4 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 PHOTOCHEMICALLY REACTIVE: YES**

**FGP29596™** Acetone, Epoxy resin-A, Methyl acetate, Methyl isoamyl ketone **GAL WT: 7.22 WT PCT SOLIDS: 37.74 VOL PCT SOLIDS: 32.41 SOLVENT DENSITY: 6.65 VOC LE: 1.0 VOC AP: 0.4 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**FGP30021™** Acetone, Epoxy resin-A, Ethylbenzene(1.5%\*), Methyl acetate, Methyl isoamyl ketone, N-butyl alcohol(10%), Xylene(6%\*) **GAL WT: 7.65 WT PCT SOLIDS: 56.66 VOL PCT SOLIDS: 51.59 SOLVENT DENSITY: 6.83 VOC LE: 2.5 VOC AP: 2.0 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**FGP31277™** Aliphatic polyisocyanate resin, Methyl amyl ketone, T-butyl acetate **GAL WT: 8.11 WT PCT SOLIDS: 45.36 VOL PCT SOLIDS: 37.67 SOLVENT DENSITY: 7.11 VOC LE: 4.4 VOC AP: 4.4 VOC LE (TBAC): 1.5 VOC AP (TBAC): 0.7 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**FGP32763™** 2,4,6- tri((dimethylamino)methyl) phenol, Epoxy resin-A, Isopropyl alcohol, Methyl acetate, Methyl isoamyl ketone, N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane, Salicylic acid, Toluene(6%\*), Vm&p naphtha **GAL WT: 7.36 WT PCT SOLIDS: 29.22 VOL PCT SOLIDS: 25.18 SOLVENT DENSITY: 6.98 VOC LE: 4.5 VOC AP: 3.6 FLASH POINT: Below 20 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**FGP32765™** 2,4,6- tri((dimethylamino)methyl) phenol, Epoxy resin-A, Ethylbenzene(2.6%\*), Isobutyl alcohol, Isopropyl alcohol, Methyl acetate, Methyl amyl ketone, Methyl isoamyl ketone, N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane, N-butyl alcohol(5%\*), Propylene glycol methyl ether, Salicylic acid, Vm&p naphtha, Xylene(10%\*) **GAL WT: 7.42 WT PCT SOLIDS: 38.24 VOL PCT SOLIDS: 33.37 SOLVENT DENSITY: 6.87 VOC LE: 4.5 VOC AP: 4.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**FGP32767™** 2,4,6- tri((dimethylamino)methyl) phenol, Aromatic hydrocarbon-A, Cumene(0.6%\*), Epoxy resin-A, Ethanol, 2-(2-butoxyethoxy)-(3%\*), Ethylene glycol monobutyl ether(23%\*), Methyl acetate, Methyl amyl ketone, Methyl isoamyl ketone, N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane, Naphthalene(2.2%\*), Salicylic acid **GAL WT: 7.79 WT PCT SOLIDS: 39.68 VOL PCT SOLIDS: 36.48 SOLVENT DENSITY: 7.42 VOC LE: 4.7 VOC AP: 4.6 FLASH POINT: 100 °F - 141 °F H: 3 F: 2 R: 2 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**FGP35263™** Aliphatic polyisocyanate resin, T-butyl acetate **GAL WT: 8.23 WT PCT SOLIDS: 50.00 VOL PCT SOLIDS: 42.66 SOLVENT DENSITY: 7.18 VOC LE: 4.1 VOC AP: 4.1 VOC LE (TBAC): 0.0 VOC AP (TBAC): 0.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-2905S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, 4-chlorobenzotrifluoride, Isopropyl alcohol, Methyl acetate, N-butyl alcohol(2%\*), Polyamide resin-B **GAL WT: 9.30 WT PCT SOLIDS: 15.52 VOL PCT SOLIDS: 17.54 SOLVENT DENSITY: 9.53 VOC LE: 2.1 VOC AP: 0.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 2 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-2907S™** 1-propenamine, 3-(trimethoxysilyl)-, 2,4,6- tri((dimethylamino)methyl) phenol, 4-chlorobenzotrifluoride, Diacetone alcohol, Isobutyl alcohol, Isopropyl alcohol, Polyamide resin-B **GAL WT: 10.35 WT PCT SOLIDS: 13.45 VOL PCT SOLIDS: 16.91 SOLVENT DENSITY: 10.78 VOC LE: 2.1 VOC AP: 0.5 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-2910S™** 4-chlorobenzotrifluoride, Acetone, Aluminum hydroxide, Epoxy resin-B, Ethylbenzene(0.5%\*), N-butyl alcohol(2%\*), Strontium phosphate, Titanium dioxide(23.4%), Wollastonite, Wollastonite, Xylene(2%\*), Zinc phosphate(5%), Zirconium oxide **GAL WT: 13.38 WT PCT SOLIDS: 61.08 VOL PCT SOLIDS: 43.08 SOLVENT DENSITY: 9.18 VOC LE: 1.4 VOC AP: 0.7 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-2940S™** 4-chlorobenzotrifluoride, Acetone, Barium sulfate, Carbon black(0.1%), Epoxy resin-B, Ethylbenzene(0.5%\*), Limestone (calcium carbonate), N-butyl alcohol(3%\*), Strontium phosphate, Titanium dioxide(6.8%), Wollastonite, Wollastonite, Xylene(2%\*), Zinc phosphate(6%), Zirconium oxide **GAL WT: 13.16 WT PCT SOLIDS: 61.51 VOL PCT SOLIDS: 44.97 SOLVENT DENSITY: 9.23 VOC LE: 1.4 VOC AP: 0.8 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-2970S™** 4-chlorobenzotrifluoride, Acetone, Barium sulfate, Carbon black(0.6%), Epoxy resin-B, Ethylbenzene(0.5%\*), Limestone (calcium carbonate), N-butyl alcohol(3%\*), Strontium phosphate, Titanium dioxide(1.8%), Wollastonite, Wollastonite, Xylene(2%\*), Zinc phosphate(6%), Zirconium oxide **GAL WT: 13.16 WT PCT SOLIDS: 61.49 VOL PCT SOLIDS: 44.97 SOLVENT DENSITY: 9.23 VOC LE: 1.4 VOC AP: 0.8 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**V-4904S™** 4-chlorobenzotrifluoride, Acrylic polymer-A, Barium sulfate, Butyl acetate, Calcined kaolin, Carbon black(0.1%), Hydrous magnesium silicate, Limestone (calcium carbonate), Methyl amyl ketone, Phosphoric acid, calcium salt, Polyester resin, Titanium dioxide(5.6%) **GAL WT: 14.50 WT PCT SOLIDS: 69.84 VOL PCT SOLIDS: 55.82 SOLVENT DENSITY: 9.87 VOC LE: 1.4 VOC AP: 1.0 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY 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.

\* VOC less exempt (theoretical) and VOC as packaged (theoretical) are based upon the VOC of the packaged material at the point of manufacture.

TBAC is not universally recognized as an exempt solvent.

Users should consult the applicable regulations for their region.

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\* = 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