

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: **Aviation Topcoats, Basecoats and Related Products**

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 |
| 1,6-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 |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 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 | NotAvail | None | A None, O None |
| Acrylic resin | NotAvail | None | A None, O None |
| Additive | NotAvail | None | A None, O None |
| Aliphatic polyisocyanate resin | 28182-81-2 | None | S 0.5 mg/m3, A None, O None |
| Aluminum | 7429-90-5 | None | A 1.0 mg/m3 Respirable Dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, D 0.5 mg/m3 8 & 12 hour TWA |
| Aluminum hydroxide | 21645-51-2 | None | A 1.0 mg/m3, O None |
| Aluminum salt | NotAvail | None | A None, O None |
| Amines, coco alkyldimethyl | 61788-93-0 | 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 |
| Aromatic hydrocarbon | 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(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate | 41556-26-7 | None | A None, O None |
| Bismuth vanadium oxide | 14059-33-7 | None | 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 |
| C.i. pigment blue 60 | 81-77-6 | None | A None, O None |
| C.i. pigment red 254 | 84632-65-5 | None | A None, O None |
| C.i. pigment yellow 154 | 68134-22-5 | None | A None, O None |
| Carbazole violet pigment | 6358-30-1 | None | A None, O None |
| Carbon black | 1333-86-4 | None | A 3.5 mg/m3, O 3.5 mg/m3, D 0.5 mg/m3 8 & 12 hour TWA |
| Ci pigment blue 76 | 68987-63-3 | None | A None, O None |
| Cumene | 98-82-8 | 3.7 | A 50.0 ppm, O 50.0 ppm Skin |
| Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester | 82919-37-7 | None | A None, O None |
| Ethyl 3-ethoxy propionate | 763-69-9 | 2.0@25.0 °C | A None, O None |
| 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 |
| 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 |
| Heavy mineral spirits | 64741-65-7 | 10.0@25.0 °C | D 100.0 ppm, 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 |
| Hydrotreated heavy naphtha (petroleum) | 64742-48-9 | 3.3@68.0 °F | A None, O None |
| Iron hydroxide | 20344-49-4 | None | A None, O None |
| Iron oxide | 1309-37-1 | None | A 5.0 mg/m3 Respirable Dust, O 10.0 mg/m3, D 3.0 mg/m3 |
| Isoindolinone pigment | 36888-99-0 | None | A None, O None |
| Isophorone diisocyanate homopolymer | 53880-05-0 | None | A None, O None |

| INGREDIENTS | CAS # | VAPOR PRESSURE | EXPOSURE LIMITS |
|---|-------------|----------------|---|
| Isopropyl alcohol | 67-63-0 | 48.0 | A 400.0 ppm 15 min STEL, A 200.0 ppm, O 400.0 ppm, D 200.0 ppm 8 & 12 hour TWA |
| 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 |
| Light yellow lemon yellow oxide pigment | 51274-00-1 | None | A None, O None |
| Medium mineral spirits | 64742-88-7 | 0.3@68.0 °F | D 50.0 ppm 8 & 12 hour TWA, A None, O None |
| 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 |
| Mica | 12001-26-2 | None | A 3.0 mg/m3 Respirable Dust, O 20.0 mppcf, O 3.0 mg/m3 Respirable Dust |
| Molybdate/calcium | 7789-82-4 | None | A 3.0 mg/m3 respirable particulate Mo, A 10.0 mg/m3 TWA inhalable dust Mo, O 15.0 mg/m3 TWA Total Dust |
| 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 |
| Organic amide | NotAvail | None | A None, O None |
| Perylene maroon | 5521-31-3 | None | A None, O None |
| Phthalocyanine blue pigment | 147-14-8 | None | A 10.0 mg/m3 inhalable dust PNOC, A 3.0 mg/m3 respirable particulate PNOC, O 15.0 mg/m3 Total Dust PNOR, O 5.0 mg/m3 TWA Respirable Dust PNOR |
| 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 |
| 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 |
| Polyester resin-A | NotAvail | None | A None, O None |
| Polyester resin-B | 129922-22-1 | None | A None, O None |
| Polyester resin-C | 69153-52-2 | None | A None, O None |
| Polypropylene homopolymer | 9003-07-0 | None | A 10.0 mg/m3 TWA Total Dust, A 5.0 mg/m3 TWA Respirable Dust, O 15.0 mg/m3 PEL Total Dust |
| Polypropylene homopolymer | 9003-07-0 | None | A 10.0 mg/m3 Dust, 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 |
| Proprietary copper compound | NotAvail | None | A None, O None |
| Quinacridone pigment | 1047-16-1 | None | A 10.0 mg/m3 inhalable dust, A 3.0 mg/m3, O 15.0 mg/m3 Total Dust PNOR, O 5.0 mg/m3 Respirable Dust, D 10.0 mg/m3 Total Dust |
| 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 | 127519-17-9 | 0.1 | S 4.0 mg/m3, A None, O None |
| Tetraethyl orthosilicate | 78-10-4 | <2.0 | A 10.0 ppm, O 100.0 ppm |
| 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 |
| Titanium dioxide (rutile) | 1317-80-2 | None | A 10.0 mg/m3 TWA Total Dust, O 10.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, D 10.0 mg/m3 Total Dust, D 5.0 mg/m3 Respirable Dust |
| Weather resistant mixture | NotAvail | None | 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 |
| Zinc salt | NotAvail | None | A None, O None |

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

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:

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.

3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine

Skin contact may cause any of the following: burns. Eye contact may cause any of the following: permanent eye injury.

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.

Acrylic polymer

Skin or eye contact may cause any of the following: 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.

Aluminum salt

Eye contact may cause any of the following: irritation.

Amines, coco alkyldimethyl

Skin or eye contact may cause any of the following: burns.

Aromatic hydrocarbon

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

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

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

Butyl acetate

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

C.i. pigment yellow 154

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

Carbon black

Is an IARC, NTP or OSHA carcinogen. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. The following medical conditions may be aggravated by exposure: asthma, respiratory disease. WARNING: This chemical is known to the State of California to cause cancer.

Cumene

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

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, central nervous system, eyes, gastrointestinal system, kidneys, liver, respiratory system, skin. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. If absorbed through the skin, may be: harmful.

Heavy mineral spirits

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

Heptane

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

Hydrotreated heavy naphtha (petroleum)

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

Isophorone diisocyanate homopolymer

May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. 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. Repeated and prolonged overexposure may cause delayed effects involving the respiratory system. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause damage to any of the following organs/systems: lungs, skin. The following medical conditions may be aggravated by overexposure: asthma, eye disorders, eczema, skin disorders, respiratory disorders.

Isopropyl alcohol

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

Kaolin

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

Light yellow lemon yellow oxide pigment

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

Medium mineral spirits

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

Methyl ethyl ketone

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

Mica

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

Molybdate/calcium

If ingested, may be: harmful or fatal.

Organic amide

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

Polyester resin-C

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

Proprietary copper compound

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

Stoddard solvent

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

Substituted benzotriazole

The following medical conditions may be aggravated by exposure: jaundice, liver disease. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver, thyroid, upper respiratory system.

Tetraethyl orthosilicate

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

Titanium dioxide

Is an IARC, NTP or OSHA carcinogen. In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m³ respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m³ level are not relevant to the workplace. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.'

Titanium dioxide (rutile)

Is an IARC, NTP or OSHA carcinogen. In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m³ respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m³ level are not relevant to the workplace. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Xylene

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

Zinc salt

Skin contact may cause any of the following: irritation.

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 12.8 %

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 CO₂ to vent. After 48 hours, material may be sealed and disposed of properly.

Ecological information:

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

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) | 56 – 152 °C |
| Approx. Freezing Range (°C) | -134 °C |
| Gallon Weight (lbs/gal) | 6.94337 - 21.9818 |
| Specific Gravity | 0.83 - 2.63 |
| Percent Volatile By Volume | 0.00 - 100.00 |
| Percent Volatile By Weight | 0.00 - 100.00 |
| Percent Solids By Volume | 0.00 - 100.00 |
| Percent Solids By Weight | 0.00 - 100.00 |

10. Stability and reactivity

Stability:

Stable

Incompatibility (materials to avoid):

None reasonably foreseeable

Hazardous decomposition products:

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

Hazardous Polymerization:

Will not occur.

Sensitivity to Static Discharge:

For flammable materials (flashpoint less than 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

1001STM Ethylene glycol monobutyl ether(10%), Mica, Titanium dioxide(26.5%), Weather resistant mixture **GAL WT: 20.75 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 76.56 SOLVENT DENSITY: 7.53 VOC LE: 2.1 VOC AP: 2.1 FLASH POINT: Above 200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

1002STM Ethylene glycol monobutyl ether(10%), Iron oxide, Mica **GAL WT: 21.98 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 75.33 SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2 FLASH POINT: Above 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

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

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

1006STM Ethylene glycol monobutyl ether(10%), Iron oxide, Mica, Weather resistant mixture **GAL WT: 21.60 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 75.46 SOLVENT DENSITY: 7.53 VOC LE: 2.2 VOC AP: 2.2 FLASH POINT: Above 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

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

1009S™ Heavy mineral spirits, Mica, Titanium dioxide (rutile)(50.7%) **GAL WT: 21.60 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 73.03 SOLVENT DENSITY: 6.50**
VOC LE: 2.2 VOC AP: 2.2 FLASH POINT: Above 200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

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

13010E™ Acrylic polymer, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Heptane, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-B **GAL WT: 8.03**
WT PCT SOLIDS: 52.53 VOL PCT SOLIDS: 45.86 SOLVENT DENSITY: 7.15 VOC LE: 3.8 VOC AP: 3.8 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA
STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

13015E™ Acrylic polymer, Ethyl acetate, Heptane, Methyl amyl ketone, Polyester resin-C **GAL WT: 8.45 WT PCT SOLIDS: 71.86 VOL PCT SOLIDS: 65.51 SOLVENT**
DENSITY: 6.91 VOC LE: 2.4 VOC AP: 2.4 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance
PHOTOCHEMICALLY REACTIVE: NO

13020E™ 1,2,4-trimethyl benzene(1%*), Aromatic hydrocarbon, Ethyl acetate, Heptane, Polyester resin-C **GAL WT: 8.87 WT PCT SOLIDS: 80.77 VOL PCT SOLIDS: 76.71 SOLVENT DENSITY: 7.32 VOC LE: 1.7 VOC AP: 1.7 FLASH POINT: Below 20 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance**
PHOTOCHEMICALLY REACTIVE: YES

13030E™ Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A **GAL WT: 8.89 WT PCT SOLIDS: 77.00 VOL PCT SOLIDS: 71.61 SOLVENT DENSITY: 7.20 VOC LE: 2.0 VOC AP: 2.0 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY**
REACTIVE: NO

13035E™ Acrylic polymer, Ethyl acetate, Methyl amyl ketone **GAL WT: 8.22 WT PCT SOLIDS: 63.00 VOL PCT SOLIDS: 56.28 SOLVENT DENSITY: 6.99 VOC LE: 3.0**
VOC AP: 3.0 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

13040E™ Acrylic resin, Amorphous silica, Butyl acetate, Ethyl 3-ethoxy propionate, Ethyl acetate, Isopropyl alcohol, Methyl amyl ketone, Polyester resin-A **GAL WT: 8.25**
WT PCT SOLIDS: 55.00 VOL PCT SOLIDS: 48.90 SOLVENT DENSITY: 7.01 VOC LE: 3.7 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: NO

13045E™ Acetone, Acrylic polymer, Ethyl 3-ethoxy propionate, Methyl amyl ketone **GAL WT: 8.28 WT PCT SOLIDS: 62.90 VOL PCT SOLIDS: 55.20 SOLVENT**
DENSITY: 6.88 VOC LE: 2.8 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: NO

13071S™ Ethyl 3-ethoxy propionate, Ethyl acetate, Heptane, Methyl amyl ketone **GAL WT: 7.15 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.15 VOC LE: 7.1 VOC AP: 7.1 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY**
REACTIVE: NO

13073S™ Ethyl acetate, Heptane **GAL WT: 7.42 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.42 VOC LE: 7.4 VOC AP: 7.4 FLASH POINT: Below 20 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13074S™ 2-ethylhexyl acetate, Ethyl 3-ethoxy propionate, Ethyl acetate, Methyl amyl ketone **GAL WT: 7.22 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.22 VOC LE: 7.2 VOC AP: 7.2 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY**
REACTIVE: NO

13083S™ 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine, 4-chlorobenzotrifluoride, Acrylic polymer, Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidiny ester, Ethyl acetate, Substituted benzotriazole **GAL WT: 9.27 WT PCT SOLIDS: 41.41 VOL PCT SOLIDS: 47.07**
SOLVENT DENSITY: 10.24 VOC LE: 1.6 VOC AP: 0.9 FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance
PHOTOCHEMICALLY REACTIVE: NO

13084S™ 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine, Acetone, Acrylic polymer, Amines, coco alkyldimethyl, Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidiny ester, Ethyl acetate, Heptane, Methyl amyl ketone, Methyl ethyl ketone, Substituted benzotriazole **GAL WT: 6.94 WT PCT SOLIDS: 23.78 VOL PCT SOLIDS: 20.14 SOLVENT DENSITY: 6.62 VOC LE: 3.8 VOC AP: 1.8 FLASH POINT: Below 20 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13100S™ 1,6-hexamethylene diisocyanate(0.1%*@), 2-ethylhexyl acetate, Aliphatic polyisocyanate resin, Butyl acetate, Ethyl acetate **GAL WT: 8.98 WT PCT SOLIDS: 75.00 VOL PCT SOLIDS: 69.78 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 PHOTOCHEMICALLY REACTIVE: NO**

13125S™ Aliphatic polyisocyanate resin, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylbenzene(2.6%*@), Isophorone diisocyanate homopolymer, Xylene(10%*@) **GAL WT: 8.36 WT PCT SOLIDS: 46.99 VOL PCT SOLIDS: 40.36 SOLVENT DENSITY: 7.41 VOC LE: 4.4 VOC AP: 4.4 FLASH POINT: 73 °F to below 100 °F H: 3 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

13765S™ 4-chlorobenzotrifluoride, Acetone **GAL WT: 7.29 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.29 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13775S™ 4-chlorobenzotrifluoride, Acetone **GAL WT: 8.75 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 8.75 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13785S™ 4-chlorobenzotrifluoride **GAL WT: 11.15 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 11.15 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13842S™ Polypropylene homopolymer **GAL WT: 7.51 WT PCT SOLIDS: 100.00 VOL PCT SOLIDS: 100.00 SOLVENT DENSITY: 0.00 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: No measurable H: 1 F: 1 R: 0 OSHA STORAGE: N/A TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

13844S™ Polypropylene homopolymer **GAL WT: 7.51 WT PCT SOLIDS: 100.00 VOL PCT SOLIDS: 100.00 SOLVENT DENSITY: 0.00 VOC LE: 0.0 VOC AP: 0.0**
FLASH POINT: No measurable H: 1 F: 1 R: 0 OSHA STORAGE: N/A TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

AF3501™ 4-chlorobenzotrifluoride, Acrylic polymer, Aluminum hydroxide, Amorphous silica, Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A, Titanium dioxide(33.9%) **GAL WT: 11.47 WT PCT SOLIDS: 66.68 VOL PCT SOLIDS: 49.28 SOLVENT DENSITY: 7.54 VOC LE: 3.6 VOC AP: 3.5 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

AF3502™ 4-chlorobenzotrifluoride, Acrylic polymer, Aluminum hydroxide, Amorphous silica, Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A, Titanium dioxide(33.8%) **GAL WT: 11.46 WT PCT SOLIDS: 66.67 VOL PCT SOLIDS: 49.27 SOLVENT DENSITY: 7.53 VOC LE: 3.6 VOC AP: 3.5 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

AF3522™ 4-chlorobenzotrifluoride, Acrylic polymer, Aluminum hydroxide, Amorphous silica, Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A, Titanium dioxide(33.8%) **GAL WT: 11.45 WT PCT SOLIDS: 66.49 VOL PCT SOLIDS: 49.02 SOLVENT DENSITY: 7.51 VOC LE: 3.6 VOC AP: 3.5 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

AF401™ 2,4-pentanedione, 2-ethylhexyl acetate, Acetone, Acrylic polymer, Acrylic resin, Aluminum hydroxide, Amorphous silica, Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A, Titanium dioxide(31.8%) **GAL WT: 10.84 WT PCT SOLIDS: 63.30 VOL PCT SOLIDS: 44.59 SOLVENT DENSITY: 7.16 VOC LE: 3.8 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**

AF402™ 2-ethylhexyl acetate, Acetone, Acrylic polymer, Acrylic resin, Aluminum hydroxide, Amorphous silica, Butyl acetate, Ethyl acetate, Methyl amyl ketone, Polyester resin-A, Titanium dioxide(31.4%) **GAL WT: 10.77 WT PCT SOLIDS: 63.17 VOL PCT SOLIDS: 44.56 SOLVENT DENSITY: 7.13 VOC LE: 3.8 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**

PT101™ Acrylic polymer, Aluminum hydroxide, Amorphous silica, Butyl acetate, Methyl amyl ketone, Titanium dioxide(55.4%) **GAL WT: 14.81 WT PCT SOLIDS: 76.19 VOL PCT SOLIDS: 51.72 SOLVENT DENSITY: 7.30 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT1015™ Acrylic polymer, Acrylic resin, Amorphous silica, Butyl acetate, Ethyl acetate, Heptane, Isopropyl alcohol, Methyl amyl ketone, Mica, Polyester resin-C, Titanium dioxide(3.8%) **GAL WT: 8.65 WT PCT SOLIDS: 57.14 VOL PCT SOLIDS: 47.64 SOLVENT DENSITY: 6.99 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 PHOTOCHEMICALLY REACTIVE: NO**

PT105™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Carbon black(4.5%), Methyl amyl ketone, Primary amyl acetate **GAL WT: 8.37 WT PCT SOLIDS: 56.28 VOL PCT SOLIDS: 49.18 SOLVENT DENSITY: 7.20 VOC LE: 3.6 VOC AP: 3.6 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT107™ Acrylic polymer, Butyl acetate, Carbon black(0.5%), Methyl amyl ketone **GAL WT: 8.16 WT PCT SOLIDS: 56.50 VOL PCT SOLIDS: 50.03 SOLVENT DENSITY: 7.11 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT110™ 1,2,4-trimethyl benzene(2%*), 2-methyl butyl acetate, Acrylic polymer, Aluminum(22%*), Aromatic hydrocarbon, Butyl acetate, Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Tetraethyl orthosilicate **GAL WT: 8.82 WT PCT SOLIDS: 49.36 VOL PCT SOLIDS: 34.35 SOLVENT DENSITY: 6.85 VOC LE: 4.5 VOC AP: 4.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

PT112™ 1,2,4-trimethyl benzene(2%*), 2-methyl butyl acetate, Acrylic polymer, Aluminum(26%*), Aromatic hydrocarbon, Butyl acetate, Cumene(0.1%*@), Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Stoddard solvent **GAL WT: 9.11 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 38.23 SOLVENT DENSITY: 6.87 VOC LE: 4.3 VOC AP: 4.3 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

PT114™ 1,2,4-trimethyl benzene(2%*), 2-methyl butyl acetate, Acrylic polymer, Aluminum(26%*), Aromatic hydrocarbon, Butyl acetate, Cumene(0.1%*@), Hydrotreated heavy naphtha (petroleum), Medium mineral spirits, Methyl amyl ketone, Primary amyl acetate, Stoddard solvent **GAL WT: 9.11 WT PCT SOLIDS: 53.23 VOL PCT SOLIDS: 38.76 SOLVENT DENSITY: 6.85 VOC LE: 4.3 VOC AP: 4.3 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

PT120™ Acrylic polymer, Butyl acetate, Carbazole violet pigment, Methyl amyl ketone, Primary amyl acetate **GAL WT: 8.31 WT PCT SOLIDS: 54.26 VOL PCT SOLIDS: 47.34 SOLVENT DENSITY: 7.26 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 PHOTOCHEMICALLY REACTIVE: NO**

PT122™ Acrylic polymer, Additive, Butyl acetate, C.i. pigment blue 60, Methyl amyl ketone **GAL WT: 8.47 WT PCT SOLIDS: 56.81 VOL PCT SOLIDS: 49.32 SOLVENT DENSITY: 7.25 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 PHOTOCHEMICALLY REACTIVE: NO**

PT124™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Ci pigment blue 76, Methyl amyl ketone, Phthalocyanine blue pigment, Primary amyl acetate **GAL WT: 8.61 WT PCT SOLIDS: 54.50 VOL PCT SOLIDS: 46.24 SOLVENT DENSITY: 7.35 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 PHOTOCHEMICALLY REACTIVE: NO**

PT125™ Acrylic polymer, Butyl acetate, Methyl amyl ketone **GAL WT: 8.13 WT PCT SOLIDS: 54.14 VOL PCT SOLIDS: 47.68 SOLVENT DENSITY: 7.13 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 PHOTOCHEMICALLY REACTIVE: NO**

PT127™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Methyl amyl ketone, Phthalocyanine blue pigment, Primary amyl acetate, Proprietary copper compound(2%*) **GAL WT: 8.94 WT PCT SOLIDS: 59.51 VOL PCT SOLIDS: 50.23 SOLVENT DENSITY: 7.42 VOC LE: 3.6 VOC AP: 3.6 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT132™ Acrylic polymer, Butyl acetate, Methyl amyl ketone, Phthalocyanine green, Primary amyl acetate **GAL WT: 8.67 WT PCT SOLIDS: 51.91 VOL PCT SOLIDS: 42.91 SOLVENT DENSITY: 7.35 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 PHOTOCHEMICALLY REACTIVE: NO**

Compliance PHOTOCHEMICALLY REACTIVE: NO

PT133™ Acrylic polymer, Butyl acetate, Methyl amyl ketone **GAL WT: 8.15 WT PCT SOLIDS: 54.15 VOL PCT SOLIDS: 47.60 SOLVENT DENSITY: 7.14 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 PHOTOCHEMICALLY REACTIVE: NO**

PT140™ Acrylic polymer, Aluminum salt, Bismuth vanadium oxide(47%*), Butyl acetate, Molybdate/calcium, Primary amyl acetate, Titanium dioxide(0.4%), Zinc salt **GAL WT: 14.57 WT PCT SOLIDS: 74.73 VOL PCT SOLIDS: 49.72 SOLVENT DENSITY: 7.32 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 PHOTOCHEMICALLY REACTIVE: NO**

PT144™ Acrylic polymer, Butyl acetate, C.i. pigment yellow 154, Methyl amyl ketone, Primary amyl acetate **GAL WT: 9.10 WT PCT SOLIDS: 59.60 VOL PCT SOLIDS: 49.39 SOLVENT DENSITY: 7.33 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 PHOTOCHEMICALLY REACTIVE: NO**

PT148™ Acrylic polymer, Butyl acetate, Isoindolinone pigment, Methyl amyl ketone, Primary amyl acetate, Titanium dioxide(0.1%) **GAL WT: 9.25 WT PCT SOLIDS: 62.12 VOL PCT SOLIDS: 52.00 SOLVENT DENSITY: 7.20 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT154™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Methyl amyl ketone, Monoazo pigment, Primary amyl acetate **GAL WT: 9.45 WT PCT SOLIDS: 64.26 VOL PCT SOLIDS: 53.81 SOLVENT DENSITY: 7.31 VOC LE: 3.4 VOC AP: 3.4 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT162™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, C.i. pigment red 254, Methyl amyl ketone, Pigment red 202, Primary amyl acetate **GAL WT: 8.53 WT PCT SOLIDS: 53.67 VOL PCT SOLIDS: 45.81 SOLVENT DENSITY: 7.41 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 PHOTOCHEMICALLY REACTIVE: NO**

PT164™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Kaolin, Methyl amyl ketone, Pigment red 202, Primary amyl acetate, Quinacridone pigment **GAL WT: 8.69 WT PCT SOLIDS: 57.03 VOL PCT SOLIDS: 48.51 SOLVENT DENSITY: 7.43 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 PHOTOCHEMICALLY REACTIVE: NO**

PT165™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, C.i. pigment red 254, Methyl amyl ketone, Primary amyl acetate **GAL WT: 9.12 WT PCT SOLIDS: 61.68 VOL PCT SOLIDS: 51.86 SOLVENT DENSITY: 7.26 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT166™ Acrylic polymer, Butyl acetate, Methyl amyl ketone, Primary amyl acetate, Quinacridone pigment **GAL WT: 8.75 WT PCT SOLIDS: 59.85 VOL PCT SOLIDS: 51.52 SOLVENT DENSITY: 7.29 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT167™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Methyl amyl ketone, Organic amide, Primary amyl acetate, Quinacridone pigment **GAL WT: 8.65 WT PCT SOLIDS: 55.34 VOL PCT SOLIDS: 46.74 SOLVENT DENSITY: 7.35 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 PHOTOCHEMICALLY REACTIVE: NO**

PT168™ 2-methyl butyl acetate, Acrylic polymer, Barium sulfate, Butyl acetate, Methyl amyl ketone, Perylene maroon, Primary amyl acetate **GAL WT: 8.83 WT PCT SOLIDS: 60.49 VOL PCT SOLIDS: 51.61 SOLVENT DENSITY: 7.22 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT181™ Acrylic polymer, Butyl acetate, Iron hydroxide, Methyl amyl ketone **GAL WT: 12.48 WT PCT SOLIDS: 72.41 VOL PCT SOLIDS: 52.83 SOLVENT DENSITY: 7.29 VOC LE: 3.4 VOC AP: 3.4 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT183™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Light yellow lemon yellow oxide pigment, Methyl amyl ketone, Primary amyl acetate **GAL WT: 9.92 WT PCT SOLIDS: 57.13 VOL PCT SOLIDS: 41.60 SOLVENT DENSITY: 7.47 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 PHOTOCHEMICALLY REACTIVE: NO**

PT185™ Acrylic polymer, Amorphous silica, Barium sulfate, Butyl acetate, Iron oxide, Methyl amyl ketone **GAL WT: 13.61 WT PCT SOLIDS: 74.17 VOL PCT SOLIDS: 51.55 SOLVENT DENSITY: 7.26 VOC LE: 3.5 VOC AP: 3.5 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

PT187™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Iron oxide, Methyl amyl ketone, Primary amyl acetate **GAL WT: 9.57 WT PCT SOLIDS: 58.89 VOL PCT SOLIDS: 45.59 SOLVENT DENSITY: 7.32 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 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.

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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