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

Supplier: Axalta Coating Systems Canada Company
408 Fairall Street,
Ajax, ON L1S 1R6

Manufacturer: Axalta Coating Systems, LLC
Two Commerce Square
2001 Market Street, Suite 3600
Philadelphia, PA 19103

Telephone:
Product information: (800) 668-6945
Medical emergency: (855) 274-5698
Transportation emergency: (613) 996-6666 (CANUTEC)

Product Identifier: **Imron® PowerTints**
Product Use: Coating for professional use
Solvent for professional use

Hazardous Materials Information: See Section 16.

Products covered in this document include: 13010E, 13015E, 13020E, 13030E, 13035E, 13040E, 13045E, 13071S, 13073S, 13074S, 13083S, 13084S, PT101, PT105, PT107, PT110, PT112, PT114, PT120, PT122, PT124, PT125, PT127, PT132, PT133, PT140, PT144, PT148, PT154, PT162, PT164, PT165, PT166, PT167, PT168, PT181, PT183, PT185, PT187, PT190, PT191, PT192, PT195, PT196, PT197, PT198, PT199

2. Composition/information on ingredients

INGREDIENTS	CAS #	VAPOUR PRESSURE	EXPOSURE LIMITS
1,2,4-trimethylbenzene	95-63-6	7.0@44.4 °C	A 25.0 ppm, O 25.0 ppm
2-ethylhexyl acetate	103-09-3	0.5	A None, O None
2-methylbutyl acetate	624-41-9	None	A 100.0 ppm 15 min STEL, A 50.0 ppm, O None
3-ethyl-2-methyl-2-(3-methyl butyl)-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
Acetic acid	64-19-7	15.4	A 15.0 ppm 15 min STEL, A 10.0 ppm, O 10.0 ppm, D 10.0 ppm 8 & 12 hour TWA
Acetone	67-64-1	247.0@68.0 °F	A 750.0 ppm 15 min STEL, A 500.0 ppm, O 1000.0 ppm, D 500.0 ppm 8 & 12 hour TWA
Acrylic Polymer-A	Not Avail	None	A None, O None
Acrylic polymer-B	104032-39-5	None	A None, O None
Acrylic Resin	Not Avail	None	A None, O None
Additive	Not Avail	None	A None, O None
Aliphatic Hydrocarbon	64742-47-8	3.3@68.0 °F	A None, O None
Aluminum	7429-90-5	None	O 15.0 mg/m^3 Total Dust, O 5.0 mg/m^3 Respirable Dust, D 0.5 mg/m^3 8 & 12 hour TWA, A None
Aluminum hydroxide	21645-51-2	None	A 1.0 mg/m^3, O None
Aluminum salt	Not Avail	None	A None, O None
Amines, coco alkyldimethyl	61788-93-0	None	A None, O None
Amorphous silica-A	7631-86-9	None	A 3.0 mg/m^3 Respirable Dust, O 20.0 mppcf, D 3.0 mg/m^3, D 6.0 mg/m^3
Amorphous silica-B	92797-60-9	None	A 2.0 mg/m^3 Respirable Dust, O 1.0 mg/m^3 15 min STEL, D 1.0 mg/m^3
Amorphous silica - silica base	63231-67-4	None	D 2.0 mg/m^3 Respirable Dust, D 2.0 mg/kg 12 hr TWA, A None, O None
Aromatic Hydrocarbon-A	64742-95-6	10.0@25.0 °C	D 50.0 ppm 8 & 12 hour TWA, A None, O None
Aromatic Hydrocarbon-B	64742-48-9	0.7@68.0 °F	A 100.0 ppm, O 500.0 ppm, D 100.0 ppm
Barium sulphate	7727-43-7	None	O 15.0 mg/m^3 Total Dust, O 5.0 mg/m^3 Respirable Dust, D 10.0 mg/m^3 8 & 12 hour TWA Total Dust, D 5.0 mg/m^3 8 & 12 hour TWA Respirable Dust, A None
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	41556-26-7	None	A None, O None
Bismuth vanadium tetraoxide	14059-33-7	None	A None, O None
n-Butyl acetate	123-86-4	15.0	A 200.0 ppm 15 min STEL, A 150.0 ppm, O 150.0 ppm

INGREDIENTS	CAS #	VAPOUR PRESSURE	EXPOSURE LIMITS
C. I. Pigment Blue 60	81-77-6	None	A None, O None
Perylene Pigment	5521-31-3	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 3.0 mg/m^3, O 3.5 mg/m^3, D 0.5 mg/m^3 8 & 12 hour TWA
C. I. 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
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	None	A None, O None
Ethyl 3-ethoxypropionate	763-69-9	2.3	A None, O None
Ethyl acetate	141-78-6	100.0	A 400.0 ppm, O 400.0 ppm
Ethylbenzene	100-41-4	7.0	A 20.0 ppm, O 100.0 ppm, D 25.0 ppm 8 & 12 hour TWA
Heptane	142-82-5	45.0@66.0 °F	A 500.0 ppm 15 min STEL, A 400.0 ppm, O 500.0 ppm
Iron Hydroxide	20344-49-4	None	A None, O None
Iron oxide	1309-37-1	None	A 5.0 mg/m^3 Respirable Dust, O 10.0 mg/m^3, D 3.0 mg/m^3
Isoindolinone Pigment	36888-99-0	None	A None, O None
Isopropyl Alcohol	67-63-0	48.0	A None, O None
Kaolin	1332-58-7	None	A 2.0 mg/m^3 Respirable Dust, O 15.0 mg/m^3 TWA Total Dust, O 5.0 mg/m^3 TWA Respirable Dust
Light Yellow Lemon Yellow Oxide Pigment	51274-00-1	None	A None, O None
Limestone (Calcium Carbonate)	1317-65-3	None	A 10.0 mg/m^3, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
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
Molybdate/Calcium	7789-82-4	None	A 3.0 mg/m^3 respirable particulate Mo, O 15.0 mg/m3 TWA Total Dust
Monoazo Pigment	12236-62-3	None	A 10.0 mg/m^3 inhalable particulate, O 15.0 mg/m^3 Total Dust, O 5.0 mg/m^3 Respirable Dust
Organic Amide	Not Avail	None	A None, O None
Phthalocyanine Blue Pigment	147-14-8	None	A 10.0 mg/ m^3 inhalable particulate PNOC, A 3.0 mg/m^3 respirable particulate PNOC, O 15.0 mg/ m^3 Total Dust PNOR, O 5.0 mg/ m^3 TWA Respirable Dust PNOR
Phthalocyanine green	1328-53-6	None	A 3.0 mg/m^3 TWA Respirable Dust, A 10.0 mg/m^3 TWA inhalable particulate, O 15.0 mg/m^3 TWA Total Dust, O 5.0 mg/m^3 TWA Respirable Dust
Pigment Red 202	3089-17-6	None	A 3.0 mg/m^3 Respirable Dust, A 10.0 mg/m^3 inhalable particulate PNOR, O 5.0 mg/ m^3 Respirable Dust PNOR, O 15.0 mg/ m^3
Poly (oxy-1,2-ethanediyl),. alpha.-[3-[3-(2h-benzotriazol-2-yl) -5-(1,1-dimethylethyl)-4-hydroxy phenyl	104810-48-2	None	A None, O None
Polyester resin-A	Not Avail	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
Polyethyleneglycol	25322-68-3	None	A None, O None
Primary amyl acetate	628-63-7	4.2	A 100.0 ppm 15 min STEL, A 50.0 ppm, O 100.0 ppm
Proprietary copper compound	Not Avail	None	A None, O None
Quinacridone pigment	1047-16-1	None	A 10.0 mg/m^3 inhalable particulate, O 15.0 mg/m^3 Total Dust PNOR, O 5.0 mg/m^3 Respirable Dust, D 10.0 mg/m^3 Total Dust
Stoddard solvent	8052-41-3	>=1.6	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/m^3, A None, O None
t-Butyl acetate	540-88-5	None	A 200.0 ppm, O 200.0 ppm
Tetraethyl silicate	78-10-4	<2.0	A 10.0 ppm, O 100.0 ppm
Titanium dioxide	13463-67-7	None	O 15.0 mg/m^3 Total Dust, D 10.0 mg/m^3 8 & 12 hour TWA Total Dust, D 5.0 mg/m^3 8 & 12 hour TWA Respirable Dust, A None
Triethylenediamine	280-57-9	0.6@21.0 °C	A None, O None
Ultraviolet Absorber	104810-47-1	None	A None, O None
Wetting agent	Not Avail	5.0	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 100.0 ppm 8 & 12 hour TWA
Yellow Bismuth Vandate Pigment	14059-33-7	None	A None, O None
Zinc Phosphate	7779-90-0	None	O 5.0 mg/m^3 Respirable Dust, A None

***A=ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified.**
Vapour pressure @ 20° C unless otherwise noted.
D=DuPont, Results obtained from E. I. du Pont de Nemours and Company.

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 vapours 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:

3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
Skin contact may cause: burns. Eye contact may cause: permanent eye injury.

4-Chlorobenzotrifluoride
Increased susceptibility to the effects of this material may be observed in people with pre-existing 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: permanent eye injury. Inhalation may cause: Causes stupor (central nervous system depression), respiratory tract irritation.

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

Acetone
The following medical conditions may be aggravated by exposure: lung disease, eye disease, 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-A
Skin or eye contact may cause any of the following: irritation.

Aliphatic Hydrocarbon
Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumours. 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 tumours.

Aluminum salt
Eye contact may cause: irritation.

Amines, coco alkyldimethyl
Skin or eye contact may cause any of the following: burns.

Aromatic Hydrocarbon-A
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 tumours. 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 tumours.

Aromatic Hydrocarbon-B
Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumours. 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 tumours.

n-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: 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 pre-existing 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 pre-existing 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.

Heptane
Increased susceptibility to the effects of this material may be observed in people with pre-existing 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 tumours. 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 tumours. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

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 behaviour, 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 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.

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.

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 pre-existing 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.

Molybdate/calcium
Ingestion may be: harmful or fatal.

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

Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl
The following medical conditions may be aggravated by exposure: jaundice, liver disease, Allergies, kidney disorders, skin disorders. Skin contact may cause: allergic contact dermatitis.

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 tumours. 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 tumours.

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.

t-Butyl acetate
Increased susceptibility to the effects of this material may be observed in people with pre-existing disease of any of the following: central nervous system, eyes, gastrointestinal system, liver, skin.

Tetraethyl silicate
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.'

Ultraviolet Absorber
The following medical conditions may be aggravated by exposure: jaundice, liver disease, Allergies, kidney disorders, skin disorders. Skin contact may cause: allergic contact dermatitis.

Xylene
Increased susceptibility to the effects of this material may be observed in people with pre-existing 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: irritation, dryness, cracking of the skin.

4. First aid measures

First Aid Procedures:

Inhalation:
If affected by inhalation of vapour 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. Firefighting measures

Flash Point (Closed Cup):
See Section 16 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, vapour/air will ignite when an ignition source is present. In other cases, when heated above the flash point, emits flammable vapours 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 vapour. If material does not contain or is not mixed with an isocyanate activator/hardener: Wear a properly fitted air-purifying respirator with organic vapour 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 C02 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 °C or 100 – 200 °F), keep away from heat, sparks and flame. If flammable (flashpoint less than 38 °C or 100 °F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than – 8 °C or 20 °F) or flammable, VAPORS MAY IGNITE EXPLOSIVELY OR CAUSE FLASH FIRE, respectively. Vapours may spread long distances. Prevent build up of vapours. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 49 °C or 120 °F. If product is waterbased, do not freeze.

Other precautions:
If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved 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 vapours or mists. If this product contains or is used with an isocyanate (such as an activator/hardener), wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C) while mixing activator/hardener with paint, during application and until all vapours and spray mist are exhausted. If product does not contain nor is used with an isocyanate activator/hardener, a properly fitted air-purifying respirator with organic vapour 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 to this product if 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
Vapour pressure of principal solvent	97.2 hPa
Solubility of Solvent in Water	NIL
Vapour density	Heavier than air
Approx. Boiling Range (°C)	77 – 3000 °C
Approx. Freezing Range (°C)	-134 °C
Density (g/l)	833 - 1,845
Specific Gravity	0.83 - 1.85
Percent Volatile by Volume	23.29 - 100.00
Percent Volatile by Weight	19.23 - 100.00
Percent Solids by Volume	0.00 - 76.71
Percent Solids by Weight	0.00 - 80.77
Appearance	liquid
Odour:	characteristic of the Product

10. Stability and reactivity

Stability:
Stable

Incompatibility (materials to avoid):
None reasonably foreseeable

Hazardous decomposition products:
CO, C02, 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 °C or 100 °F) and combustibles (flashpoint between 38 – 93 °C or 100-200 °F) if heated above the flashpoint, solvent vapours in air may explode if static grounding and bonding is not used during transfer of this product.

Sensitivity to Mechanical Impact:
None known.

11. Toxicological information

Toxicity Test Type	Value	Time	Species	Source
1,2,4-trimethylbenzene				
Oral LD50	5000 mg/kg		rat	RTECS
Inhalation LC50	18000 mg/l	4 h	rat	RTECS
2-ethylhexyl acetate				
Oral LD50	5,890 mg/kg		rat	Supplier MSDS
Inhalation LC50	> 1,100 ppm	6 h	rat	Supplier MSDS
Inhalation LD50	> 1,100 ppm		rat	Supplier MSDS
4-Chlorobenzotrifluoride				
Oral LD50	6,650 mg/kg		rat	Supplier MSDS
Dermal LD50	2,700 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	4,479 ppm	4 h	rat	Supplier MSDS
Acetone				
Oral LD50	5,800 mg/kg		rat	RTECS
Dermal LD50	20 g/kg		rabbit	Supplier MSDS
Inhalation LC50	50.1 g/m3	8 h	rat	RTECS
Aliphatic Hydrocarbon				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 3,160 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 21.4 mg/l	4 h	rat	Supplier MSDS
Aluminum				
Oral LD50	> 2,000 mg/kg		rat	Supplier MSDS
Dermal LD50	= 25 g/kg		rat	Supplier MSDS
Inhalation LC50	= 0.888 mg/l		rat	Supplier MSDS
Amines, coco alkyldimethyl				
Oral LD50	1,400 mg/kg		rat	Supplier MSDS
Amorphous Silica-A				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 5,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 0.139 mg/l		rat	Supplier MSDS

Toxicity Test Type	Value	Time	Species	Source
Amorphous silica-B				
Oral LD50	> 5,340 mg/kg		rat	Supplier MSDS
Aromatic Hydrocarbon-A				
Oral LD50	> 5,000 mg/kg		rat	CCOHS
Dermal LD50	> 3,160 mg/kg		rat	CCOHS
Inhalation LD50	> 3,670 ppm	4 h	rat	Supplier MSDS
Aromatic Hydrocarbon-B				
Oral LD50	= 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	= 3,160 mg/kg		rabbit	Supplier MSDS
Barium Sulphate				
Oral LD50	15,000 mg/kg		rat	Supplier MSDS
Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate				
Oral LD50	3,125 mg		rat	Supplier MSDS
Dermal LD50	2,000 mg/kg		rat	Supplier MSDS
Bismuth Vanadium Tetraoxide				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
N-Butyl Acetate				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 5,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 6,335 ppm	4 h	rat	Supplier MSDS
C. I. Pigment Blue 60				
Oral LD50	> 5,000 mg/l		rat	Supplier MSDS
C. I. Pigment Red 254				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rat	Supplier MSDS
C. I. Pigment Yellow 154				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Carbazole Violet Pigment				
Oral LD50	> 2,000 mg/kg		rat	Supplier MSDS
Carbon Black				
Oral LD50	> 8,000 mg/kg		rat	Supplier MSDS
Inhalation LC50	156 mg/m3	4 h	rat	Supplier MSDS
Cumene				
Oral LD50	1,400 mg/kg		rat	Supplier MSDS
Dermal LD50	10,578 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	39 mg/l	4 h	rat	Supplier MSDS
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate				
Oral LD50	> 2,000 mg/kg		rat	MISCELLANEOUS
Dermal LD50	> 2,000 mg/kg		rat	MISCELLANEOUS
Ethyl 3-ethoxypropionate				
Oral LD50	> 5,000 g/kg		rat	Supplier MSDS
Dermal LD50	= 4,080 mg/kg		rat	Supplier MSDS
Inhalation LC50	> 998 ppm	6 h	rat	Supplier MSDS
Ethyl acetate				
Oral LD50	5,600 mg/kg		rat	Supplier MSDS
Dermal LD50	> 20 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	29.4 mg/l	4 h	rat	Supplier MSDS
Ethylbenzene				
Oral LD50	3,500 mg/kg		rat	RTECS
Dermal LD50	17.8 g/kg		rabbit	RTECS
Inhalation LC50	4,000 ppm	4 h	rat	Patty's
Heptane				
Oral LD50	= 5,000 mg/kg		mouse	MISCELLANEOUS
Dermal LD50	2,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	103,000 mg/m3	4 h	rat	SAX DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, FOURTH EDITION
Intravenous LD50	222 mg/kg		mouse	Supplier MSDS
Iron Hydroxide				
Oral LD50	> 5,000 mg/kg		rabbit	Supplier MSDS
Iron Oxide				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Isoindolinone Pigment				
Oral LD50	> 2,000 mg/kg		rabbit	Supplier MSDS
Isopropyl Alcohol				
Oral LD50	> 2,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 5,000 ppm	8 h	rat	Supplier MSDS
Percutaneous LD50	13,000 mg/kg		rabbit	Supplier MSDS

Toxicity Test Type	Value	Time	Species	Source
Kaolin				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Oral TDLo	590 g/kg		rat	SAX DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, FOURTH EDITION
Limestone (Calcium Carbonate)				
Oral LD50	6,450 mg/kg		rat	RTECS
Methyl Amyl Ketone				
Oral LD50	1,600 mg/kg		rat	Supplier MSDS
Oral LD50	= 730 mg/kg		mouse	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	2,000 ppm	4 h	rat	Supplier MSDS
Methyl Ethyl Ketone				
Oral LD50	> 2,193 g/kg		rat	Supplier MSDS
Dermal LD50	> 5 g/kg		rabbit	Supplier MSDS
Inhalation LC50	> 5,000 ppm	6 h	rat	Supplier MSDS
Molybdate/Calcium				
Intraperitoneal LD50	208 mg/kg		rat	SAX DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, FOURTH EDITION
Monoazo Pigment				
Oral LD50	2,000 mg/kg		rat	Supplier MSDS
Phthalocyanine Blue Pigment				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Phthalocyanine green				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 5,000 mg/kg		rat	Supplier MSDS
Pigment Red 202				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl				
Oral LD50	5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rat	Supplier MSDS
Inhalation LC50	> 5.8 mg/l	4 h	rat	Supplier MSDS
Polyethylene glycol				
Oral LD50	7,500 mg/kg		rat	RTECS
Dermal LD50	20 g/kg		rabbit	RTECS
Primary amyl acetate				
Oral LD50	19.7 mg/kg		rat	Supplier MSDS
Dermal LD50	8,300 mg/kg		guinea pig	CCOHS
Quinacridone pigment				
Oral LD50	> 10,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rat	Supplier MSDS
Stoddard solvent				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 3,160 mg/kg		rabbit	Supplier MSDS
Substituted Benzotriazole				
Oral LD50	> 2,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 400 mg/l	4 h	rat	Supplier MSDS
t-Butyl acetate				
Oral LD50	> 3,160 mg/kg	6 h	rat	Supplier MSDS
Inhalation LD50	> 6 mg/l	4 h	rat	Supplier MSDS
Tetraethyl silicate				
Oral LD50	> 2,000 mg/kg		rat	Supplier MSDS
Dermal LD50	5,878 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	10 mg/l	4 h	rat	Supplier MSDS
Titanium dioxide				
Oral LD50	> 24,000 mg/m3		rat	Supplier MSDS
Dermal LD50	> 10,000 mg/m3		rabbit	Supplier MSDS
Inhalation ALC	> 6,820 mg/m3	4 h	rat	Supplier MSDS
Triethylenediamine				
Oral LD50	700 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rabbit	Supplier MSDS
Inhalation LC50	> 20 mg/l	1 h	rat	Supplier MSDS
Ultraviolet Absorber				
Oral LD50	5,000 mg/kg		rat	Supplier MSDS
Dermal LD50	> 2,000 mg/kg		rat	Supplier MSDS
Inhalation LC50	> 5.8 mg/l	4 h	rat	Supplier MSDS

Toxicity Test Type	Value	Time	Species	Source
Xylene				
Oral LD50	4,300 mg/kg		rat	RTECS
Dermal LD50	> 1,700 mg/kg		rabbit	RTECS
Inhalation LC50	5,000 ppm	4 h	rat	RTECS
Zinc Phosphate				
Oral LD50	> 5,000 mg/kg		rat	Supplier MSDS

Key:
RTECS - Registry of Toxic Effects of Chemical Substances
CCOHS - Canadian Center for Occupational Health and Safety
Patty's - Patty's Industrial Hygiene and Toxicology, 3rd Edition

12. Ecological information

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute toxicity aquatic invertebrates

CAS-No.	Chemical Name	Species	Exposure Time	Value	Type	Method
95-63-6	1,2,4-trimethylbenzene	Daphnie	48 h	6 mg/l	LC50	
67-64-1	Acetone	Daphnia	2 days	10 mg/l		
64742-47-8	Aliphatic Hydrocarbon	Daphnia	96 h	10 mg/l	LC50	
7429-90-5	Aluminum	Daphnia	48 h	100 mg/l		
64742-95-6	Aromatic Hydrocarbon-A	Daphnia	24 h	170 mg/l	EC50	
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Daphnia	24 h	20 mg/l	EC50	
123-86-4	n-Butyl Acetate	Ceriodaphnia dubia	2 days	72.8 mg/l	EC50	
84632-65-5	C. I Pigment Red 254	Daphnia	24 h	100 mg/l	EC50	
68134-22-5	C. I. Pigment Yellow 154	Daphnia	48 h	100 mg/l	EC50	
1333-86-4	Carbon Black	Water flea	1 days	5,600 mg/l	EC50	
98-82-8	Cumene	Daphnia	24 h	1.4 mg/l	EC50	
82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Daphnia	24 h	20 mg/l	EC50	
763-69-9	Ethyl 3-ethoxypropionate	Daphnia	4 days	100 µ l	LC50	
100-41-4	Ethylbenzene	Daphnia	48 h	1.8 mg/l	EC50	
142-82-5	Heptane	Daphnia	24 h	10 mg/l	LC50	
20344-49-4	Iron Hydroxide	Daphnia magna (Water flea)	0	10,000 mg/l	EC50	
1309-37-1	Iron Oxide	Daphnia	2 days	10,000 mg/l		
67-63-0	Isopropyl Alcohol	Daphnia	2 days	7,550 mg/l		
110-43-0	Methyl Amyl Ketone	Daphnia	2 days	90 mg/l	EC50	
78-93-3	Methyl Ethyl Ketone	Daphnia	48 h	5,091 mg/l	EC50	
147-14-8	Phthalocyanine Blue Pigment	Daphnia	48 h	500 mg/l	EC50	
1328-53-6	Phthalocyanine green	Daphnia	48 h	500 mg/l	EC50	
127519-17-9	Substituted Benzotriazole	Daphnia	72 h	3.2 mg/l	LC50	
540-88-5	t-Butyl acetate	Water flea	24 h	2,893 ppm		
78-10-4	Tetraethyl Silicate	Daphnia	48 h	844 mg/l	EC50	
280-57-9	Triethylenediamine	Daphnia	48 h	92 mg/l	EC50	
1330-20-7	Xylene	Water flea	1 days	10 mg/l	EC50	
1330-20-7	Xylene	Daphnia	1 days	10 mg/l	EC50	
7779-90-0	Zinc Phosphate	Daphnia	48 h	1 mg/l	EC50	

Acute and extended toxicity of fishes

CAS-No.	Chemical Name	Species	Exposure Time	Value	Type	Method
95-63-6	1,2,4-trimethylbenzene	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	9.22 mg/l	EC50	
98-56-6	4-Chlorobenzotrifluoride	*Pimephales promelas* (Fathead Minnow)	31 days	1 mg/l		
98-56-6	4-Chlorobenzotrifluoride	*Lepomis macrochirus* (Bluegill sunfish)	4 days	12 mg/l		
98-56-6	4-Chlorobenzotrifluoride	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	14 mg/l		
67-64-1	Acetone	*Carassius auratus* (Goldfish)	1 days	5000 mg/l		
67-64-1	Acetone	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	5540 mg/l		
67-64-1	Acetone	*Lepomis macrochirus* (Bluegill sunfish)	4 days	8300 mg/l		

CAS-No.	Chemical Name	Species	Exposure Time	Value	Type	Method
61788-93-0	Amines, coco alkyldimethyl	*Danio rerio* (Zebra fish)	48 h	1 mg/l LC50		
7631-86-9	Amorphous Silica-A	*Pimephales promelas* (Fathead Minnow)	4 days	5000 mg/l		
64742-95-6	Aromatic Hydrocarbon-A	*Danio rerio* (Zebra Fish)	96 h	10 mg/l	LC50	
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate)	*Lepomis macrochirus* (Bluegill sunfish)	96 h	0,97 mg/l	LC50	
123-86-4	n-Butyl Acetate	*Pimephales promelas* (Fathead Minnow)	4 days	18 mg/l	LC50	
123-86-4	n-Butyl Acetate	*Lepomis macrochirus* (Bluegill sunfish)	4 days	100 mg/l		
84632-65-5	C. I Pigment Red 254	*Danio rerio* (Zebra Fish)	24 h	100 mg/l	LC50	
6358-30-1	Carbazole Violet Pigment	*Danio rerio* (Zebra Fish)	96 h	100 mg/l	LC50	
1333-86-4	Carbon Black	*Danio rerio* (Zebra Fish)	4 days	1000 mg/l	LC50	
98-82-8	Cumene	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	2,7 mg/l	LC50	
82919-37-7	1,2,2,6,6-pentamethyl-4-piperidyl sebacate	*Lepomis macrochirus* (Bluegill sunfish)	96 h	0,97 mg/l	LC50	
82919-37-7	1,2,2,6,6-pentamethyl-4-piperidyl sebacate	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	7,9 mg/l	LC50	
763-69-9	Ethyl 3-ethoxypropionate	*Pimephales promelas* (Fathead Minnow)	4 days	65 µ l	LC50	
141-78-6	Ethyl acetate	*Pimephales promelas* (Fathead Minnow)	4 days	230 mg/l		
141-78-6	Ethyl acetate	*Leuciscus idus* (Ide)	2 days	270 mg/l		
141-78-6	Ethyl acetate	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	425 mg/l		
100-41-4	Ethylbenzene	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	4.2 mg/l	LC50	
142-82-5	Heptane	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	15 ppm		
142-82-5	Heptane	*Lepomis macrochirus* (Bluegill sunfish)	1 days	2990 ppm		
64742-47-8	Aliphatic Hydrocarbon	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	10 mg/l	EC50	
64742-48-9	Aromatic Hydrocarbon-B	*Pimephales promelas* (Fathead Minnow)	96 h	2200 mg/l	LC50	
20344-49-4	Iron Hydroxide	*Leuciscus idus* (Ide)	48 h	1000 mg/l	EC50	
1309-37-1	Iron Oxide	*Leuciscus idus* (Ide)	2 days	1000 mg/l		
67-63-0	Isopropyl Alcohol	*Pimephales promelas* (Fathead Minnow)	0	83 mg/l		
110-43-0	Methyl Amyl Ketone	*Pimephales promelas* (Fathead Minnow)	4 days	131 mg/l	LC50	
78-93-3	Methyl Ethyl Ketone	*Pimephales promelas* (Fathead Minnow)	0	3220 mg/l	LC50	
147-14-8	Phthalocyanine Blue Pigment	*Oncorhynchus mykiss* (Rainbow Trout)	48 h	100 mg/l	LC50	
147-14-8	Phthalocyanine Blue Pigment	*Leuciscus idus* (Ide)	96 h	500 mg/l	LC50	
1328-53-6	Phthalocyanine Green	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	100 mg/l	LC50	
104810-48-2	Poly (oxy-1,2-ethanediyl),. alpha.-[3-[3-(2h-benzotriazol-2-yl) -5-(1,1-dimethylethyl)-4-hydroxy phenyl	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	3 ppm		
104810-48-2	Poly (oxy-1,2-ethanediyl),. alpha.-[3-[3-(2h-benzotriazol-2-yl) -5-(1,1-dimethylethyl)-4-hydroxy phenyl	*Lepomis macrochirus* (Bluegill sunfish)	4 days	4 ppm		
628-63-7	Pentyle acetate	*Pimephales promelas* (Fathead Minnow)	4 days	69 mg/l		
127519-17-9	Substituted Benzotriazole	Danio rerio (zebra fish)	96 h	99 mg/l	LC50	

CAS-No.	Chemical Name	Species	Exposure Time	Value	Type	Method
540-88-5	t-Butyl acetate	*Pimephales promelas* (Fathead Minnow)	96 h	327 ppm		
78-10-4	Tetraethyl orthosilicate	*Cyprinodon variegatus* (Sheepshead Minnow)	96 h	245 mg/l	LC50	
13463-67-7	Titanium Dioxide	*Pimephales promelas* (Fathead Minnow)	4 days	1000 mg/l		
280-57-9	Triethylene diamine	*Cyprinus carpio* (Carp)	96 h	100 mg/l	LC50	
104810-47-1	Ultraviolet Absorber	*Oncorhynchus mykiss* (Rainbow Trout)	4 days	3 ppm		
104810-47-1	Ultraviolet Absorber	*Lepomis macrochirus* (Bluegill sunfish)	4 days	4 ppm		
1330-20-7	Xylene	*Pimephales promelas* (Fathead Minnow)	4 days	21 mg/l	EC50	
1330-20-7	Xylene	*Lepomis macrochirus* (Bluegill sunfish)	4 days	22 mg/l	EC50	
1330-20-7	Xylene	*Carassius auratus* (Poisson rouge)	4 days	24 mg/l	EC50	
7779-90-0	Zinc Phosphate	*Oncorhynchus mykiss* (Rainbow Trout)	96 h	1 mg/l	LC50	

Toxicity with aquatic plants

CAS-No.	Chemical Name	Species	Exposure Time	Value	Type	Method
98-56-6	4-Chlorobenzotrifluoride	Daphnia	2 days	4 mg/l		
98-56-6	4-Chlorobenzotrifluoride	Green Algae (non specified)	3 days	500 mg/l		
7429-90-5	Aluminum	Algae	72 h	100 mg/l		
7631-86-9	Amorphous Silica-A	Daphnia	2 days	5,000 mg/l		
64742-95-6	Aromatic Hydrocarbon-A	Algae	72 h	10 mg/l	EC50	
6358-30-1	Carbazole Violet Pigment	*Desmodesmus subspicatus* (green algae)	72 h	100 mg/l	EC50	
1333-86-4	Carbon Black	Algae	3 days	10,000 mg/l	EC50	
98-82-8	Cumene	green algae (type not specified)	72 h	2.6 mg/l	IC50	
141-78-6	Ethyl acetate	Daphnia	2 days	230 mg/l		
100-41-4	Ethylbenzene	green algae (type not specified)	72 h	4.6 mg/l	EC50	
1328-53-6	Phthalocyanine green	*Desmodesmus subspicatus* (green algae)	72 h	100 mg/l	EC50	
104810-48-2	Poly(oxy-1,2-ethanediyl),.alpha. -[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl	Daphnia	2 days	4 ppm		
104810-48-2	Poly(oxy-1,2-ethanediyl),.alpha. -[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl	green algae (type not specified)	3 days	9 ppm		
127519-17-9	Substituted Benzotriazole	Algae	0	2 mg/l	LC50	
78-10-4	Tetraethyl Silicate	Desmodesmus subspicatus (green algae)	72 h	410.4 mg/l	EC50	
104810-47-1	Ultraviolet Absorber	green algae (type not specified)	3 days	9 ppm		
7779-90-0	Zinc Phosphate	Algae	72 h	0.3 mg/l	EC50	

Mobility
No information available.

13. Disposal considerations

Provincial Waste Classification:
Check appropriate provincial and local waste disposal regulations for proper classifications.

Waste Disposal Method:
Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Do not incinerate in closed containers. Send to a licensed waste management company.

14. Transport information

13010E, 13015E, 13020E, 13035E, 13040E, 13045E, 13071S, 13073S, 13083S, 13084S, PT190, PT191, PT192, PT195, PT196, PT197, PT198, PT199
• TDG Shipping Name: PAINT RELATED MATERIAL
• Hazard class: 3
• UN number: 1263
• Packing group: II

13074S, PT110, PT112, PT114
• TDG Shipping Name: PAINT RELATED MATERIAL
• Hazard class: 3
• UN number: 1263
• Packing group: III

PT101, PT105, PT107, PT120, PT122, PT124, PT125, PT127, PT132, PT133, PT140, PT144, PT148, PT154, PT162, PT164, PT165, PT166, PT167, PT168, PT181, PT183, PT185, PT187
• TDG Shipping Name: PAINT
• Hazard class: 3
• UN number: 1263
• Packing group: III

13030E
• TDG Shipping Name: RESIN SOLUTION,
• Hazard class: 3
• UN number: 1866
• Packing group: II

15. Regulatory information
This product has been classified according to the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

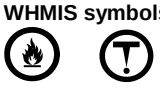
TSCA Status:
Contact product information number for regulatory status of individual products.

CEPA Status:
Contact product information number for regulatory status of individual products.

OCI:
Contact product information number for regulatory status of individual products.

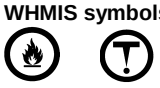
WHMIS Classification:
PT110, PT114, PT196
• Class B Division 2
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision B 60

WHMIS symbols



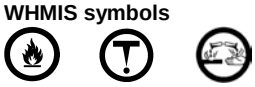
PT192
• Class B Division 2
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision B 60
• Class D Division 2 Subdivision B 61

WHMIS symbols



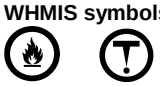
PT191, PT197
• Class B Division 2
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision B 60
• Class E

WHMIS symbols



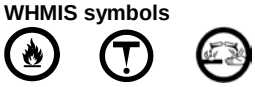
PT190, PT195
• Class B Division 2
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision B 60
• Class D Division 2 Subdivision B 61

WHMIS symbols



13084S
• Class B Division 2
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision B 60
• Class D Division 2 Subdivision B 61
• Class E

WHMIS symbols



PT140
• Class B Division 2
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision A 56
• Class D Division 2 Subdivision B 60

WHMIS symbols

PT101, PT105, PT107, PT144, PT148, PT165, PT185
• Class B Division 2
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision B 60

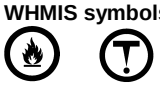
WHMIS symbols

PT168
• Class B Division 2
• Class D Division 2 Subdivision A 55
• Class D Division 2 Subdivision B 60

WHMIS symbols

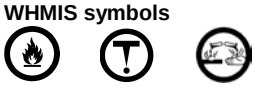
13010E, 13015E, 13020E, 13030E, 13035E, 13040E, 13045E, 13071S, 13073S, PT120, PT122, PT124, PT125, PT127, PT132, PT133, PT154, PT162, PT164, PT166, PT167, PT181, PT183, PT187, PT198, PT199
• Class B Division 2
• Class D Division 2 Subdivision B 60

WHMIS symbols



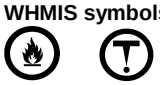
13083S
• Class B Division 2
• Class D Division 2 Subdivision B 60
• Class D Division 2 Subdivision B 61
• Class E

WHMIS symbols



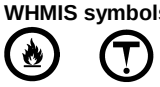
PT112
• Class B Division 3
• Class D Division 2 Subdivision A 53
• Class D Division 2 Subdivision A 54
• Class D Division 2 Subdivision B 60

WHMIS symbols



13074S
• Class B Division 3
• Class D Division 2 Subdivision B 60

WHMIS symbols



16. Other information

13010E™ Acrylic polymer-A (10 - 30%), Acrylic resin (10 - 30%), Amorphous silica-B (3 - 7%), n-Butyl acetate (5 - 10%), Ethyl acetate (0.5 - 1.5%), heptane (1 - 5%), Isopropyl alcohol (7 - 13%), Methyl Amyl Ketone (15 - 40%), Polyester resin-B (10 - 30%)
DENSITY: 959.00 WT PCT SOLIDS: 52.35 VOL PCT SOLIDS: 43.71 SOLVENT DENSITY: 809.52 VOC LE: 456.7 VOC AP: 456.7 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13015E™ Acrylic polymer-A (15 - 40%), Ethyl acetate (5 - 10%), Heptane (1 - 5%), Methyl Amyl Ketone (10 - 30%), Polyester resin-C (30 - 60%)
DENSITY: 1,013.00 WT PCT SOLIDS: 71.86 VOL PCT SOLIDS: 65.51 SOLVENT DENSITY: 828.45 VOC LE: 284.9 VOC AP: 284.9 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13020E™ 1,2,4-trimethylbenzene (0.5 - 1.5%), Aromatic hydrocarbon-A (1 - 5%), Ethyl acetate (10 - 30%), Heptane (1 - 5%), Polyester resin-C (60 - 100%)
DENSITY: 1,063.00 WT PCT SOLIDS: 80.77 VOL PCT SOLIDS: 76.71 SOLVENT DENSITY: 876.63 VOC LE: 204.3 VOC AP: 204.3 FLASH POINT: Below -7 °C **H: 1 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: YES**

13030E™ n-butyl acetate (10 - 30%), Ethyl acetate (1 - 5%), Methyl Amyl Ketone (3 - 7%), Polyester resin-A (60 - 100%)
DENSITY: 1,035.00 WT PCT SOLIDS: 77.00 VOL PCT SOLIDS: 72.50 SOLVENT DENSITY: 866.08 VOC LE: 238.0 VOC AP: 238.0 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13035E™ Acrylic polymer-A (40 - 70%), Ethyl acetate (7 - 13%), Methyl Amyl Ketone (15 - 40%)
DENSITY: 985.00 WT PCT SOLIDS: 63.00 VOL PCT SOLIDS: 56.28 SOLVENT DENSITY: 837.44 VOC LE: 364.4 VOC AP: 364.4 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13040E™ Acrylic resin (10 - 30%), Amorphous silica-B (3 - 7%), n-butyl acetate (10 - 30%), ethyl 3-ethoxypropionate (3 - 7%), Ethyl acetate (1 - 5%), Isopropyl alcohol(7 - 13%), Methyl Amyl Ketone (10 - 30%), Polyester resin-A (30 - 60%)
DENSITY: 985.00 WT PCT SOLIDS: 54.84 VOL PCT SOLIDS: 46.91 SOLVENT DENSITY: 838.52 VOC LE: 444.7 VOC AP: 444.7 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13045E™ Acetone (5 - 10%), Acrylic polymer-A (40 - 70%), ethyl 3-ethoxypropionate (3 - 7%), Methyl Amyl Ketone (15 - 40%)
DENSITY: 992.00 WT PCT SOLIDS: 62.90 VOL PCT SOLIDS: 55.19 SOLVENT DENSITY: 824.14 VOC LE: 330.9 VOC AP: 304.2 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13071S™ ethyl 3-ethoxypropionate (10 - 30%), Ethyl acetate (30 - 60%), Heptane (7 - 13%), Methyl Amyl Ketone (15 - 40%)
DENSITY: 857.00 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 856.86 VOC LE: 856.7 VOC AP: 856.6 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13073S™ Ethyl acetate (60 - 100%), Heptane (3 - 7%)
DENSITY: 889.00 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 889.21 VOC LE: 889.1 VOC AP: 888.9 FLASH POINT: Below -7 °C H: 1 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13074S™ 2-ethylhexyl acetate (60 - 100%), ethyl 3-ethoxypropionate (1 - 5%), Ethyl acetate (1 - 5%), Methyl Amyl Ketone (10 - 30%)
DENSITY: 865.00 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 865.24 VOC LE: 865.1 VOC AP: 865.1 FLASH POINT: 38 °C to below 60 °C H: 2 F: 2 R: 0 OSHA STORAGE: II PHOTOCHEMICALLY REACTIVE: NO

13083S™ 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (7 - 13%), 4-Chlorobenzotrifluoride (30 - 60%), Acrylic resin-A (0.5 - 1.5%), bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (10 - 30%), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (3 - 7%), Ethyl acetate (5 - 10%), Substituted Benzotriazole (7 - 13%)
DENSITY: 1,113.00 WT PCT SOLIDS: 41.41 VOL PCT SOLIDS: 47.08 SOLVENT DENSITY: 1,232.67 VOC LE: 189.9 VOC AP: 113.5 FLASH POINT: -7 °C to below 23 °C H: 3 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

13084S™ 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (3 - 7%), Acetone (40 - 70%), acrylic resin-A (0.5 - 1.5%), amines, coco alkyldimethyl (0.5 -1.5%), bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (5 - 10%), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1 - 5%), Ethyl acetate (5 - 10%), Heptane (7 - 13%), Methyl Amyl Ketone (3 - 7%), Methyl Ethyl Ketone (1 - 5%), Substituted Benzotriazole (5 - 10%)
DENSITY: 833.00 WT PCT SOLIDS: 23.78 VOL PCT SOLIDS: 20.12 SOLVENT DENSITY: 794.90 VOC LE: 455.9 VOC AP: 213.2 FLASH POINT: Below -7 °C H: 3 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT101™ Acrylic polymer-A (10 - 30%), Aluminum hydroxide (1 - 5%), Amorphous silica-A (1 - 5%), n-butyl acetate (10 - 30%), Methyl Amyl Ketone (1 - 5%), Titanium dioxide (40 - 70%)
DENSITY: 1,845.00 WT PCT SOLIDS: 77.09 VOL PCT SOLIDS: 51.63 SOLVENT DENSITY: 873.75 VOC LE: 422.7 VOC AP: 422.7 FLASH POINT: 24 _C to below 38 _C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT105™ Acrylic polymer-A (40 - 70%), n-butyl acetate (15 - 40%), Carbon black (3 - 7%), Methyl Amyl Ketone (10 - 30%), Methyl Ethyl Ketone (0.5 - 1.5%), Primary amyl acetate (0.5 - 1.5%)
DENSITY: 1,007.00 WT PCT SOLIDS: 56.52 VOL PCT SOLIDS: 48.89 SOLVENT DENSITY: 856.50 VOC LE: 437.7 VOC AP: 437.5 FLASH POINT: 24 _C to below 38 _C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT107™ Acrylic polymer-A (40 - 70%), n-butyl acetate (10 - 30%), Carbon black (0.1 - 1.0%), Methyl Amyl Ketone (10 - 30%)
DENSITY: 986.00 WT PCT SOLIDS: 56.56 VOL PCT SOLIDS: 49.29 SOLVENT DENSITY: 846.19 VOC LE: 428.4 VOC AP: 428.3 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT110™ 1,2,4-trimethylbenzene (1 - 5%), 2-methylbutyl acetate (1 - 5%), Acrylic polymer-A (15 - 40%), Aluminum (10 - 30%), Aliphatic Hydrocarbon (3 - 7%), Aromatic Hydrocarbon-A (1 - 5%), Aromatic Hydrocarbon-B (10 - 30%), n-butyl acetate (3 - 7%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), Tetraethyl silicate (0.5 - 1.5%), Xylene (0.1 - 1.0%)
DENSITY: 1,057.00 WT PCT SOLIDS: 49.37 VOL PCT SOLIDS: 34.29 SOLVENT DENSITY: 818.87 VOC LE: 535.0 VOC AP: 535.0 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 1 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: YES

PT112™ 1,2,4-trimethylbenzene (1 - 5%), 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (15 - 40%), Aluminum (15 - 40%), Aliphatic Hydrocarbon (3 - 7%), Aromatic Hydrocarbon-A (1 - 5%), Aromatic hydrocarbon-B (3 - 7%), n-butyl acetate (3 - 7%), Cumene (0.1 - 1.0%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), stoddard solvent (3 - 7%), Xylene (0.1 - 1.0%)
DENSITY: 1,092.00 WT PCT SOLIDS: 53.24 VOL PCT SOLIDS: 38.24 SOLVENT DENSITY: 822.94 VOC LE: 510.5 VOC AP: 510.4 FLASH POINT: 38 °C to below 60 °C H: 2 F: 2 R: 1 OSHA STORAGE: II PHOTOCHEMICALLY REACTIVE: YES

PT114™ 1,2,4-trimethylbenzene (1 - 5%), 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (15 - 40%), Aluminum (15 - 40%), Aliphatic hydrocarbon (3 - 7%), Aromatic Hydrocarbon-A (1 - 5%), Aromatic hydrocarbon-B (3 - 7%), n-Butyl acetate (3 - 7%), Cumene (0.1 - 1.0%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), stoddard solvent (3 - 7%), Xylene (0.1 - 1.0%)
DENSITY: 1,092.00 WT PCT SOLIDS: 53.24 VOL PCT SOLIDS: 38.88 SOLVENT DENSITY: 821.38 VOC LE: 510.5 VOC AP: 510.4 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 1 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: YES

PT120™ Acrylic polymer-A (30 - 60%), n-butyl acetate (15 - 40%), Carbazole Violet pigment (3 - 7%), Methyl Amyl Ketone (7 - 13%)
DENSITY: 997.00 WT PCT SOLIDS: 54.15 VOL PCT SOLIDS: 46.96 SOLVENT DENSITY: 862.61 VOC LE: 457.1 VOC AP: 456.9 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT122™ Acrylic polymer-A (30 - 60%), Additive (0.5 - 1.5%), n-butyl acetate (15 - 40%), C. I. Pigment Blue 60 (7 - 13%), Methyl Amyl Ketone (7 - 13%)
DENSITY: 1,017.00 WT PCT SOLIDS: 56.78 VOL PCT SOLIDS: 49.00 SOLVENT DENSITY: 866.92 VOC LE: 439.7 VOC AP: 439.6 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT124™ Acrylic polymer-A (30 - 60%), n-butyl acetate (30 - 60%), C. I. Pigment Blue 76 (1 - 5%), Methyl Amyl Ketone (1 - 5%), Phthalocyanine Blue Pigment (10 - 30%), Primary amyl acetate (0.5 - 1.5%)
DENSITY: 1,035.00 WT PCT SOLIDS: 54.46 VOL PCT SOLIDS: 45.96 SOLVENT DENSITY: 883.94 VOC LE: 471.3 VOC AP: 471.3 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT125™ Acrylic polymer-A (40 - 70%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (10 - 30%)
DENSITY: 983.00 WT PCT SOLIDS: 54.14 VOL PCT SOLIDS: 46.91 SOLVENT DENSITY: 849.67 VOC LE: 450.6 VOC AP: 450.5 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT127™ 2-methylbutyl acetate (1 - 5%), Acrylic polymer-A (30 - 60%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (5 - 10%), Phthalocyanine Blue Pigment (10 - 30%), Primary amyl acetate (1 - 5%), Proprietary copper compound (1 - 5%)
DENSITY: 1,060.00 WT PCT SOLIDS: 59.13 VOL PCT SOLIDS: 50.05 SOLVENT DENSITY: 883.46 VOC LE: 433.3 VOC AP: 433.3 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT132™ Acrylic polymer-A (30 - 60%), n-butyl acetate (30 - 60%), Methyl Amyl Ketone (5 - 10%), Phthalocyanine green (7 - 13%), Primary amyl acetate (1 - 5%)
DENSITY: 1,034.00 WT PCT SOLIDS: 52.01 VOL PCT SOLIDS: 43.01 SOLVENT DENSITY: 876.39 VOC LE: 496.3 VOC AP: 496.1 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT133™ Acrylic polymer-A (40 - 70%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (10 - 30%)
DENSITY: 984.00 WT PCT SOLIDS: 54.17 VOL PCT SOLIDS: 46.88 SOLVENT DENSITY: 849.79 VOC LE: 450.8 VOC AP: 450.7 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT140™ Acrylic polymer-A (10 - 30%), Aluminum salt (1 - 5%), bismuth vanadium tetraoxide (30 - 60%), n-butyl acetate (10 - 30%), Methyl Amyl Ketone (5 - 10%), Molybdate/calcium (0.5 - 1.5%), Primary amyl acetate (0.5 - 1.5%), Titanium dioxide (0.5 - 1.5%), Yellow bismuth vandate pigment (3 - 7%), Zinc phosphate (1 - 5%)
DENSITY: 1,765.00 WT PCT SOLIDS: 74.80 VOL PCT SOLIDS: 48.33 SOLVENT DENSITY: 860.93 VOC LE: 444.7 VOC AP: 444.6 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT144™ Acrylic polymer-A (15 - 40%), n-butyl acetate (10 - 30%), C. I. Pigment Yellow 154 (15 - 40%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), t-Butyl acetate (1 - 5%),
DENSITY: 1,099.00 WT PCT SOLIDS: 60.13 VOL PCT SOLIDS: 48.76 SOLVENT DENSITY: 856.38 VOC LE: 438.0 VOC AP: 438.0 VOC LE (TBAC): 427.7 VOC AP (TBAC): 417.4 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT148™ 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (15 - 40%), n-butyl acetate (10 - 30%), Isoindolinone pigment (15 - 40%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), Titanium dioxide (1 - 5%)
DENSITY: 1,117.00 WT PCT SOLIDS: 63.92 VOL PCT SOLIDS: 52.77 SOLVENT DENSITY: 854.58 VOC LE: 402.9 VOC AP: 402.8 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT154™ 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (15 - 40%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (1 - 5%), Monoazo pigment (30 - 60%), Primary amyl acetate (1 - 5%)
DENSITY: 1,135.00 WT PCT SOLIDS: 64.58 VOL PCT SOLIDS: 54.08 SOLVENT DENSITY: 875.55 VOC LE: 401.8 VOC AP: 401.8 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT162™ Acrylic polymer-A (30 - 60%), n-butyl acetate (30 - 60%), C. I. Pigment Red 254 (3 - 7%), Methyl Amyl Ketone (3 - 7%), Methyl Ethyl Ketone (1 - 5%), Pigment red 202 (5 - 10%), t-Butyl acetate (0.5 - 1.5%)
DENSITY: 1,017.00 WT PCT SOLIDS: 53.67 VOL PCT SOLIDS: 45.77 SOLVENT DENSITY: 867.28 VOC LE: 468.7 VOC AP: 464.9 VOC LE (TBAC): 462.7 VOC AP (TBAC): 452.0 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT164™ Acrylic polymer-A (30 - 60%), n-butyl acetate (15 - 40%), Kaolin (0.5 - 1.5%), Methyl Amyl Ketone (7 - 13%), Methyl Ethyl Ketone (1 - 5%), Pigment red 202 (3 - 7%), Quinacridone pigment (7 - 13%)
DENSITY: 1,038.00 WT PCT SOLIDS: 56.84 VOL PCT SOLIDS: 47.96 SOLVENT DENSITY: 865.60 VOC LE: 447.7 VOC AP: 447.7 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT165™ Acrylic polymer-A (15 - 40%), n-Butyl acetate (10 - 30%), C. I. Pigment Red 254 (15 - 40%), Isopropyl alcohol (1 - 5%), Methyl Amyl Ketone (5 - 10%), t-Butyl acetate (0.5 - 1.5%), Titanium dioxide (0.5 - 1.5%)
DENSITY: 1,086.00 WT PCT SOLIDS: 62.10 VOL PCT SOLIDS: 51.80 SOLVENT DENSITY: 853.98 VOC LE: 408.3 VOC AP: 404.9 VOC LE (TBAC): 401.3 VOC AP (TBAC): 391.9 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT166™ Acrylic polymer-A (30 - 60%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (7 - 13%), Methyl Ethyl Ketone (0.5 - 1.5%), Quinacridone pigment (10 - 30%)
DENSITY: 1,046.00 WT PCT SOLIDS: 60.37 VOL PCT SOLIDS: 51.98 SOLVENT DENSITY: 864.41 VOC LE: 414.5 VOC AP: 414.4 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT167™ Acrylic polymer-A (30 - 60%), n-butyl acetate (15 - 40%), Methyl Amyl Ketone (5 - 10%), Methyl Ethyl Ketone (1 - 5%), Organic amide (0.5 - 1.5%), Quinacridone pigment (10 - 30%)
DENSITY: 1,038.00 WT PCT SOLIDS: 55.75 VOL PCT SOLIDS: 46.84 SOLVENT DENSITY: 864.53 VOC LE: 459.1 VOC AP: 459.0 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT168™ 2-methylbutyl acetate (1 - 5%), Acrylic polymer-A (15 - 40%), Acrylic resin (7 - 13%), Barium sulphate (1 - 5%), n-butyl acetate (10 - 30%), Perylene pigment (10 - 30%), Methyl Amyl Ketone (5 - 10%), Primary amyl acetate (3 - 7%)
DENSITY: 1,063.00 WT PCT SOLIDS: 60.79 VOL PCT SOLIDS: 51.76 SOLVENT DENSITY: 884.90 VOC LE: 416.7 VOC AP: 416.6 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT181™ Acrylic polymer-A (15 - 40%), n-butyl acetate (10 - 30%), Iron Hydroxide (30 - 60%), Methyl Amyl Ketone (1 - 5%)
DENSITY: 1,497.00 WT PCT SOLIDS: 72.73 VOL PCT SOLIDS: 53.15 SOLVENT DENSITY: 871.24 VOC LE: 408.1 VOC AP: 408.1 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT183™ 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (15 - 40%), n-butyl acetate (10 - 30%), Light yellow lemon yellow oxide pigment (10 - 30%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), Wetting agent(0.5 - 1.5%)
DENSITY: 1,159.00 WT PCT SOLIDS: 57.13 VOL PCT SOLIDS: 40.90 SOLVENT DENSITY: 841.52 VOC LE: 496.7 VOC AP: 496.6 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT185™ Acrylic polymer-A (15 - 40%), Barium sulphate (0.5 - 1.5%), n-butyl acetate (10 - 30%), Iron oxide (30 - 60%), Methyl Amyl Ketone (1 - 5%), t-Butyl acetate (0.5 - 1.5%), Titanium dioxide (0.5 - 1.5%)
DENSITY: 1,589.00 WT PCT SOLIDS: 74.16 VOL PCT SOLIDS: 52.72 SOLVENT DENSITY: 868.12 VOC LE: 410.5 VOC AP: 410.5 VOC LE (TBAC): 401.2 VOC AP (TBAC): 393.0 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT187™ 2-methylbutyl acetate (0.5 - 1.5%), Acrylic polymer-A (30 - 60%), n-butyl acetate (7 - 13%), Iron oxide (10 - 30%), Methyl Amyl Ketone (10 - 30%), Primary amyl acetate (1 - 5%), Wetting agent (1 - 5%)
DENSITY: 1,129.00 WT PCT SOLIDS: 58.93 VOL PCT SOLIDS: 44.73 SOLVENT DENSITY: 849.79 VOC LE: 463.5 VOC AP: 463.5 FLASH POINT: 24 °C to below 38 °C H: 2 F: 3 R: 0 OSHA STORAGE: IC PHOTOCHEMICALLY REACTIVE: NO

PT190™ bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (10 - 30%), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (5 - 10%), ethyl 3-ethoxypropionate (7 - 13%), Ethyl acetate (10 - 30%), Methyl Ethyl Ketone (10 - 30%), Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl (10 - 30%), Polyethyleneglycol (1 - 5%), Triethylenediamine (1 - 5%), Ultraviolet Absorber (7 - 13%)
DENSITY: 968.00 WT PCT SOLIDS: 52.40 VOL PCT SOLIDS: 46.95 SOLVENT DENSITY: 872.56 VOC LE: 460.8 VOC AP: 460.8 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT191™ Acetic acid (0.5 - 1.5%), Ethyl acetate (60 - 100%), Ethylbenzene (1 - 5%), Xylene (5 - 10%)
DENSITY: 902.00 WT PCT SOLIDS: 0.98 VOL PCT SOLIDS: 0.66 SOLVENT DENSITY: 899.64 VOC LE: 893.5 VOC AP: 893.3 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT192™ bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (10 - 30%), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (5 - 10%), ethyl 3-ethoxypropionate (7 - 13%), Ethylbenzene (0.1 - 1.0%), Methyl Ethyl Ketone (15 - 40%), Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl (10 - 30%), Polyethyleneglycol (1 - 5%), Triethylenediamine (1 - 5%), Ultraviolet Absorber (7 - 13%), Xylene (0.5 - 1.5%)
DENSITY: 955.00 WT PCT SOLIDS: 55.76 VOL PCT SOLIDS: 49.32 SOLVENT DENSITY: 833.25 VOC LE: 422.4 VOC AP: 422.4 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT195™ bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (10 - 30%), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (5 - 10%), ethyl 3-ethoxypropionate (10 - 30%), Ethyl acetate (10 - 30%), Methyl Ethyl Ketone (30 - 60%), Triethylenediamine (1 - 5%)
DENSITY: 894.00 WT PCT SOLIDS: 27.40 VOL PCT SOLIDS: 24.25 SOLVENT DENSITY: 856.98 VOC LE: 648.9 VOC AP: 648.8 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 1 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT196™ Acetone (10 - 30%), Acrylic polymer-A (1 - 5%), Acrylic resin (5 - 10%), Amorphous silica-A (1 - 5%), Amorphous silica-B (1 - 5%), Amorphous silica - silica base (7 - 13%), n-butyl acetate (3 - 7%), Ethyl acetate (1 - 5%), Isopropyl alcohol (3 - 7%), Limestone (calcium carbonate) (7 - 13%), Methyl Amyl Ketone (10 - 30%), Polyester resin-C (10 - 30%), Primary amyl acetate (1 - 5%), Xylene (0.1 - 1.0%)
DENSITY: 1,057.00 WT PCT SOLIDS: 49.02 VOL PCT SOLIDS: 33.94 SOLVENT DENSITY: 826.66 VOC LE: 455.4 VOC AP: 351.1 FLASH POINT: Below -7 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT197™ Acetic acid (0.5 - 1.5%), Acetone (7 - 13%), Acrylic polymer-B (40 - 70%), n-butyl acetate (1 - 5%), Ethylbenzene (0.1 - 1.0%), Methyl Amyl Ketone (10 - 30%), Polyester resin-B (10 - 30%), Xylene (1 - 5%)
DENSITY: 991.00 WT PCT SOLIDS: 66.06 VOL PCT SOLIDS: 59.04 SOLVENT DENSITY: 822.34 VOC LE: 282.0 VOC AP: 251.8 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT198™ Acrylic polymer-A (15 - 40%), Ethyl acetate (5 - 10%), Heptane (1 - 5%), Methyl Amyl Ketone (10 - 30%), Polyester resin-C (30 - 60%)
DENSITY: 1,013.00 WT PCT SOLIDS: 71.86 VOL PCT SOLIDS: 65.51 SOLVENT DENSITY: 828.45 VOC LE: 284.9 VOC AP: 284.9 FLASH POINT: -7 °C to below 23 °C H: 2 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: NO

PT199™ 1,2,4-trimethylbenzene (0.5 - 1.5%), Aromatic Hydrocarbon-A (1 - 5%), Ethyl acetate (10 - 30%), Heptane (1 - 5%), Polyester resin-C (60 - 100%)
DENSITY: 1,063.00 WT PCT SOLIDS: 80.77 VOL PCT SOLIDS: 76.71 SOLVENT DENSITY: 876.63 VOC LE: 204.3 VOC AP: 204.3 FLASH POINT: -7 °C to below 23 °C H: 1 F: 3 R: 0 OSHA STORAGE: IB PHOTOCHEMICALLY REACTIVE: YES

Footnotes:

ACGIH	American Conference of Governmental Industrial Hygienists.
IARC	International Agency for Research on Cancer.
NTP	National Toxicology Program.
OSHA	Occupational Safety and Health Administration.
STEL	Short term exposure limit.
TWA	Time-weighted average.
DENSITY	Density g/l
SOLVENT DENSITY	(g/l)
VOC LE	Theoretical VOC calculated less exempt solvents and water (g/l)
VOC AP	Theoretical VOC calculated as packaged (g/l)
PNOR	Particles not otherwise regulated.
PNOC	Particles not otherwise classified.

* 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.
Axalta , Axalta Coating Systems and other marks denoted with ™ or ® are trademarks or registered trademarks of Axalta Coating Systems, LLC and its affiliates, used under license by Axalta Coating Systems Canada Company.

Notice:
Notice from Axalta Coating Systems
The data in 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. The document reflects information provided to Axalta Coating Systems by its suppliers. Information is accurate to the best of our knowledge and is subject to change as new data is received by Axalta Coating Systems. Persons receiving this information should make their own determination as to its suitability for their purposes prior to use.

MSDS prepared by: Axalta Coating Systems Regulatory Affairs