



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

Manufacturer: Standex  
47802 W. Anchor Ct.  
Plymouth, MI 48170

Telephone: Product information: (800) 551-9296  
Medical emergency: (800) 441-3637  
Transportation emergency: (800) 424-9300 (CHEMTREC)

Product: **14 - Standohyd® Basecoat (Includes Factory Packs)**

DOT Shipping Name: See Index.

Hazardous Materials Information: See Section 10.

Products covered in this document include: Jet Black/BL (60671), Mercedes 047 (60965), Nissan KAB Blueish Silver (60981), W-009 (55670), W-301 (55376), W-302 (55384), W-303 (55406), W-304 (55400), W-305 (55414), W-306 (52016), W-308 (16210), W-309 (55309), W-310 (55287), W-311 (52121/50230), W-312 (55627/55740), W-313 (52130), W-314 (55314), W-315 (55315), W-316 (55316), W-318 (55318), W-319 (55319), W-320 (55320), W-321 (55450), W-324 (55457), W-325 (55440), W-326 (52210), W-327 (52202), W-328 (52024), W-329 (55360), W-331 (52032), W-336 (52040), W-339 (52059), W-341 (52067), W-343 (52068), W-344 (52069), W-345 (52070), W-346 (52071), W-349 (55349), W-350 (55351), W-351 (52075), W-355 (52113), W-356 (55110), W-357 (55597), W-358 (55600), W-359 (55210), W-361 (55112), W-362 (55362), W-363 (55015), W-364 (55240), W-365 (55050), W-366 (55295), W-367 (55045), W-368 (52083), W-369 (55276), W-370 (55007/55694), W-372 (55643/55708), W-373 (55244), W-374 (55024), W-376 (55163), W-377 (52172), W-378 (55690), W-379 (52180), W-380 (52091), W-382 (55249), W-383 (55228), W-384 (52105), W-386 (55619), W-388 (55171), W-389 (55180), W-390 (55333/55716), W-393 (55317), W-394 (55350/55724), W-395 (55341/55732), W-398 (55325), W-399 (52199)

## 2. Composition/information on ingredients

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Acrylic polymer	146753-99-3	None	A None, O None
Acrylic resin	NotAvail	None	A None, O None
Acrylic resin - waterborne	NotAvail	None	A None, O None
Aluminum	7429-90-5	None	O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, D 0.5 mg/m3 8 & 12 hour TWA, A None
Aluminum oxide	1344-28-1	None	O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, A None
Amorphous silica	7631-86-9	None	A 3.0 mg/m3 Respirable Dust, O 20.0 mppcf, D 3.0 mg/m3, D 6.0 mg/m3
Azomethine copper-complex	15680-42-9	None	A None, O None
Bismuth vanadium oxide	14059-33-7	None	A None, O None
C. i. pigment red 177	4051-63-2	None	A None, O None
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 83	5567-15-7	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/m3, O 3.5 mg/m3, D 0.5 mg/m3 8 & 12 hour TWA
Carbon black, hydroxy & 4-sulfophenyl-modified, sod	481066-70-0	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
Dispersing agent	35545-57-4	<0.0	A None, O None
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
Graphite	7782-42-5	None	A 2.0 mg/m3 Respirable Dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Heavy naphtha	90622-58-5	1.0	A None, O None
Hydrotreated heavy naphtha (petroleum)	64742-48-9	0.3@68.0 °F	A 100.0 ppm, O 500.0 ppm, D 100.0 ppm
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
Isopropyl alcohol	67-63-0	48.0	A None, O None
Magnesium fluoride	7783-40-6	None	A 2.5 mg/m3 TWA, O 2.5 mg/m3 TWA
Methyl isobutyl ketone	108-10-1	15.1	A 75.0 ppm 15 min STEL Skin, A 50.0 ppm Skin, O 100.0 ppm Skin
Methyl pyrrolidone	872-50-4	0.3	D 5.0 ppm 8 & 12 hour TWA Skin, A None, O None
Mica	12001-26-2	None	A 3.0 mg/m3 Respirable Dust, O 20.0 mppcf, O 3.0 mg/m3 Respirable 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
N-butyl alcohol	71-36-3	5.6@68.0 °F	A 20.0 ppm, O 100.0 ppm, D 50.0 ppm 15 min STEL, D 25.0 ppm 8 & 12 hour TWA
N-pentanol	71-41-0	1.5	A None, O None



INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
N-propanol	71-23-8	19.0	A 100.0 ppm, O 250.0 ppm 15 min STEL, O 200.0 ppm Skin, D 200.0 ppm
Perylene pigment	5521-31-3	None	A 10.0 mg/m3, 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
Phthalocyanine green pigment	68512-13-0	None	A None, O None
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
Polyurethane	NotAvail	33.0	A None, O None
Polyurethane resin-A	NotAvail	None	A None, O None
Polyurethane resin-B	.	None	A None, O None
Propylene glycol methyl ether	107-98-2	11.2@77.0 °F	A 150.0 ppm 15 min STEL, A 100.0 ppm, O None
Quinacridone magenta	980-26-7	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
Tetrachloroisosolinone yellow pigment	5590-18-1	None	A 250.0 ppm, O None
Titanium dioxide	13463-67-7	None	O 15.0 mg/m3 Total Dust, D 10.0 mg/m3 8 & 12 hour TWA Total Dust, D 5.0 mg/m3 8 & 12 hour TWA Respirable Dust, A None
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
Urea-formaldehyde condensation polymer	9011-05-6	None	A None, O None
Water	7732-18-5	23.6	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.

##### 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:

##### 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.

##### Ethylene glycol monobutyl ether

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

##### Hydrotreated heavy naphtha (petroleum)

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

##### Isopropyl alcohol

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

cause central nervous system depression with headache, stupor, uncoordinated or strange behavior, or unconsciousness. Irritating to the mouth, throat and stomach. May cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, coughing and possibly accompanied by chest pain. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness. Swallowing significant amounts of substance could cause serious injury, even death.

#### **Magnesium fluoride**

If ingested, may be: moderately toxic. Skin or eye contact may cause any of the following: irritation. Inhalation may cause irritation to any of the following: upper respiratory system. Ingestion may cause irritation to any of the following: throat, mouth.

#### **Methyl isobutyl ketone**

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

#### **Methyl pyrrolidone**

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

#### **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.

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

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

#### **N-propanol**

Has shown mutagenic activity in laboratory cell culture tests. Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. May cause abnormal liver function. Can be absorbed through the skin in harmful amounts.

#### **Propylene glycol methyl ether**

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

#### **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.'

#### **Urea-formaldehyde condensation polymer**

This chemical is a formaldehyde donor. Formaldehyde is an IARC, NTP or OSHA carcinogen and has shown mutagenic activity in laboratory cell culture tests. May induce pulmonary sensitization or significant irritation of the respiratory airways. Formaldehyde has produced tumors in the nasal passages of laboratory animals when exposed to high concentrations for a two year period. IARC has concluded epidemiology studies found evidence of formaldehyde related nasopharyngeal cancer in humans and have classified formaldehyde as a confirmed human carcinogen. DuPont toxicologists have reviewed these studies and classified formaldehyde as a possible human carcinogen.

### **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 1.1 % UFL 13.7 %

**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.

**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. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air-purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area.

**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)	100 °C
Approx. Freezing Range ( °C)	-97 – -95 °C
Gallon Weight (lbs/gal)	8.33705 - 9.95606
Specific Gravity	1.00 - 1.19
Percent Volatile By Volume	75.15 - 89.74
Percent Volatile By Weight	3.57 - 19.47
Percent Solids By Volume	10.26 - 24.85
Percent Solids By Weight	11.92 - 36.64

**10. Stability and reactivity**

**Stability:**

Stable

**Incompatibility (materials to avoid):**

None reasonably foreseeable

**Hazardous decomposition products:**

CO, CO<sub>2</sub>, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

**Hazardous Polymerization:**

Will not occur.

**Sensitivity to Static Discharge:**

For flammable materials (flashpoint less than 38 deg C or 100 deg F) and combustibles (flashpoint between 38- 93 deg C or 100-200 deg F) if heated above the flashpoint, solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.

**Sensitivity to Mechanical Impact:**

None known.

**11. Additional Information**

**16210™** Azomethine copper-complex(3%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*), Methyl pyrrolidone(1%), N-butyl alcohol(2%), Polyurethane resin-B, Water **GAL WT: 8.54 WT PCT SOLIDS: 22.76 VOL PCT SOLIDS: 19.97 SOLVENT DENSITY: 8.24 VOC LE: 2.6 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52016™** Aluminum(2%), Ethylene glycol monobutyl ether(7%\*), Hydrotreated heavy naphtha (petroleum), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.53 WT PCT SOLIDS: 18.92 VOL PCT SOLIDS: 15.40 SOLVENT DENSITY: 8.18 VOC LE: 3.4 VOC AP: 1.0 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52024™** Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide (rutile)(2.4%), Water **GAL WT: 9.32 WT PCT SOLIDS: 28.84 VOL PCT SOLIDS: 19.33 SOLVENT DENSITY: 8.15 VOC LE: 2.7 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52032™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide (rutile)(7.0%), Water **GAL WT: 9.09 WT PCT SOLIDS: 25.70 VOL PCT SOLIDS: 17.95 SOLVENT DENSITY: 8.28 VOC LE: 2.6 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52040™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide(5.2%), Water **GAL WT: 9.18 WT PCT SOLIDS: 26.78 VOL PCT SOLIDS: 18.28 SOLVENT DENSITY: 8.23 VOC LE: 2.7 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52059™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide (rutile)(7.2%), Water **GAL WT: 9.15 WT PCT SOLIDS: 25.55 VOL PCT SOLIDS: 17.29 SOLVENT DENSITY: 8.24 VOC LE: 2.7 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52067™** Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 9.09 WT PCT SOLIDS: 24.75 VOL PCT SOLIDS: 16.97 SOLVENT DENSITY: 8.24 VOC LE: 2.7 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52068™** Aluminum oxide(4%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide(2.5%), Water **GAL WT: 8.81 WT PCT SOLIDS: 19.51 VOL PCT SOLIDS: 13.85 SOLVENT DENSITY: 8.23 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52069™** Aluminum oxide(5%), Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(4%), Polyurethane resin-B, Water **GAL WT: 8.91 WT PCT SOLIDS: 20.88 VOL PCT SOLIDS: 14.27 SOLVENT DENSITY: 8.24 VOC LE: 3.1 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52070™** Aluminum oxide(3%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide (rutile)(2.8%), Water **GAL WT: 8.81 WT PCT SOLIDS: 20.32 VOL PCT SOLIDS: 14.80 SOLVENT DENSITY: 8.24 VOC LE: 2.9 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52071™** Aluminum oxide(2%), Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(3%), Polyurethane resin-B, Titanium dioxide(3.7%), Water **GAL WT: 8.80 WT PCT SOLIDS: 18.90 VOL PCT SOLIDS: 13.36 SOLVENT DENSITY: 8.24 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52075™** Ethylene glycol monobutyl ether(4%), Graphite, Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(4%), Polyurethane resin-B, Water **GAL WT: 8.76 WT PCT SOLIDS: 21.53 VOL PCT SOLIDS: 16.44 SOLVENT DENSITY: 8.18 VOC LE: 2.9 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52083™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.4%\*), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.56 WT PCT SOLIDS: 25.09 VOL PCT SOLIDS: 22.57 SOLVENT DENSITY: 8.29 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0**



**OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52091™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Tetrachloroisosolinone yellow pigment, Water **GAL WT: 8.73 WT PCT SOLIDS: 25.60 VOL PCT SOLIDS: 21.29 SOLVENT DENSITY: 8.18 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52105™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.4%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Water **GAL WT: 8.56 WT PCT SOLIDS: 25.09 VOL PCT SOLIDS: 22.52 SOLVENT DENSITY: 8.28 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52113™** Carbazole violet pigment, Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.69 WT PCT SOLIDS: 27.66 VOL PCT SOLIDS: 23.74 SOLVENT DENSITY: 8.17 VOC LE: 2.1 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52121/50230™** Aluminum(4%\*), Ethylene glycol monobutyl ether(5%\*), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Water **GAL WT: 8.51 WT PCT SOLIDS: 18.06 VOL PCT SOLIDS: 15.31 SOLVENT DENSITY: 8.28 VOC LE: 3.2 VOC AP: 0.9 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52130™** Aluminum(3%\*), Ethylene glycol monobutyl ether(4%\*), Isopropyl alcohol, Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Water **GAL WT: 8.50 WT PCT SOLIDS: 17.13 VOL PCT SOLIDS: 14.17 SOLVENT DENSITY: 8.21 VOC LE: 3.3 VOC AP: 0.9 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52172™** C.i. pigment yellow 83, Ethylene glycol monobutyl ether(5%\*), Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.67 WT PCT SOLIDS: 27.24 VOL PCT SOLIDS: 23.32 SOLVENT DENSITY: 8.16 VOC LE: 2.3 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52180™** Ethylene glycol monobutyl ether(4%\*), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), Monoazo pigment, N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.69 WT PCT SOLIDS: 25.98 VOL PCT SOLIDS: 21.89 SOLVENT DENSITY: 8.17 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52199™** Ethylene glycol monobutyl ether(2%\*), Methyl isobutyl ketone(0.4%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Water **GAL WT: 8.55 WT PCT SOLIDS: 25.48 VOL PCT SOLIDS: 23.29 SOLVENT DENSITY: 8.19 VOC LE: 1.9 VOC AP: 0.6 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52202™** Aluminum oxide(4%\*), Ethylene glycol monobutyl ether(4%\*), Iron oxide, Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(4%\*), Polyurethane resin-B, Water **GAL WT: 8.83 WT PCT SOLIDS: 18.17 VOL PCT SOLIDS: 12.14 SOLVENT DENSITY: 8.23 VOC LE: 3.2 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**52210™** Aluminum oxide(5%\*), Ethylene glycol monobutyl ether(3%\*), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Titanium dioxide(1.8%), Water **GAL WT: 8.84 WT PCT SOLIDS: 17.95 VOL PCT SOLIDS: 11.88 SOLVENT DENSITY: 8.23 VOC LE: 3.2 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55007/55694™** Ethylene glycol monobutyl ether(5%\*), Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Titanium dioxide(16.7%), Water **GAL WT: 9.76 WT PCT SOLIDS: 36.64 VOL PCT SOLIDS: 24.85 SOLVENT DENSITY: 8.15 VOC LE: 2.3 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55015™** Carbon black(3.7%), Ethylene glycol monobutyl ether(4%\*), Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.59 WT PCT SOLIDS: 22.17 VOL PCT SOLIDS: 18.94 SOLVENT DENSITY: 8.18 VOC LE: 2.4 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55024™** Ethylene glycol monobutyl ether(3%\*), Iron hydroxide, Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.84 WT PCT SOLIDS: 26.28 VOL PCT SOLIDS: 21.07 SOLVENT DENSITY: 8.17 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55045™** Ethylene glycol monobutyl ether(3%\*), Iron oxide, Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(3%\*), Polyurethane resin-B, Water **GAL WT: 8.90 WT PCT SOLIDS: 26.92 VOL PCT SOLIDS: 21.22 SOLVENT DENSITY: 8.17 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55050™** C. i. pigment red 177, Ethylene glycol monobutyl ether(4%\*), Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.63 WT PCT SOLIDS: 25.16 VOL PCT SOLIDS: 21.72 SOLVENT DENSITY: 8.25 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55110™** Ethylene glycol monobutyl ether(5%\*), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(2%\*), Pigment red 202, Polyurethane resin-B, Water **GAL WT: 8.66 WT PCT SOLIDS: 24.50 VOL PCT SOLIDS: 20.66 SOLVENT DENSITY: 8.25 VOC LE: 2.4 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55112™** C.i. pigment red 254, Ethylene glycol monobutyl ether(4%\*), Methyl isobutyl ketone(0.2%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Water **GAL WT: 8.71 WT PCT SOLIDS: 27.27 VOL PCT SOLIDS: 23.16 SOLVENT DENSITY: 8.25 VOC LE: 2.1 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55163™** Ethylene glycol monobutyl ether(4%\*), Methyl isobutyl ketone(0.3%\*<sup>@</sup>), N-butyl alcohol(2%\*), Polyurethane resin-B, Quinacridone magenta, Water **GAL WT: 8.58 WT PCT SOLIDS: 24.40 VOL PCT SOLIDS: 21.34 SOLVENT DENSITY: 8.25 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F -**

200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55171™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*), N-butyl alcohol(3%), Phthalocyanine blue pigment, Polyurethane resin-B, Water **GAL WT: 8.62 WT PCT SOLIDS: 26.00 VOL PCT SOLIDS: 22.61 SOLVENT DENSITY: 8.25 VOC LE: 2.3 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55186™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(2%), Phthalocyanine green, Polyurethane resin-B, Water **GAL WT: 8.70 WT PCT SOLIDS: 23.69 VOL PCT SOLIDS: 19.50 SOLVENT DENSITY: 8.25 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55210™** Ci pigment blue 76, Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(2%), Polyurethane resin-B, Water **GAL WT: 8.68 WT PCT SOLIDS: 25.35 VOL PCT SOLIDS: 21.47 SOLVENT DENSITY: 8.26 VOC LE: 2.1 VOC AP: 0.6 FLASH POINT: 141 °F - 200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55228™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*), N-butyl alcohol(2%), Perylene pigment, Polyurethane resin-B, Water **GAL WT: 8.60 WT PCT SOLIDS: 23.03 VOL PCT SOLIDS: 19.78 SOLVENT DENSITY: 8.26 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55240™** Carbon black(0.4%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.4%\*), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.52 WT PCT SOLIDS: 24.45 VOL PCT SOLIDS: 22.14 SOLVENT DENSITY: 8.16 VOC LE: 2.4 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55244™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*), N-butyl alcohol(2%), Phthalocyanine green pigment, Polyurethane resin-B, Water **GAL WT: 8.76 WT PCT SOLIDS: 24.94 VOL PCT SOLIDS: 20.30 SOLVENT DENSITY: 8.17 VOC LE: 2.4 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55249™** Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(2%), Polyurethane resin-B, Water **GAL WT: 8.85 WT PCT SOLIDS: 26.87 VOL PCT SOLIDS: 21.37 SOLVENT DENSITY: 8.17 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55276™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.4%\*), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.53 WT PCT SOLIDS: 25.05 VOL PCT SOLIDS: 22.65 SOLVENT DENSITY: 8.27 VOC LE: 2.3 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55287™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(2%), Polyurethane resin-B, Titanium dioxide(4.9%), Water **GAL WT: 8.78 WT PCT SOLIDS: 21.99 VOL PCT SOLIDS: 16.98 SOLVENT DENSITY: 8.25 VOC LE: 2.5 VOC AP: 0.6 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55295™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*), N-butyl alcohol(2%), Polyurethane resin-B, Quinacridone pigment, Water **GAL WT: 8.62 WT PCT SOLIDS: 25.22 VOL PCT SOLIDS: 21.85 SOLVENT DENSITY: 8.18 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55309™** Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Titanium dioxide(3.3%), Water **GAL WT: 8.92 WT PCT SOLIDS: 22.74 VOL PCT SOLIDS: 16.70 SOLVENT DENSITY: 8.21 VOC LE: 2.3 VOC AP: 0.6 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55314™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.63 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 12.76 SOLVENT DENSITY: 8.21 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55315™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.59 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 13.09 SOLVENT DENSITY: 8.18 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55316™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.63 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 12.87 SOLVENT DENSITY: 8.25 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55317™** Aluminum(3%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.53 WT PCT SOLIDS: 17.83 VOL PCT SOLIDS: 15.12 SOLVENT DENSITY: 8.30 VOC LE: 3.0 VOC AP: 0.8 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55318™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.63 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 12.84 SOLVENT DENSITY: 8.25 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55319™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.63 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 12.84 SOLVENT DENSITY: 8.25 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55320™** Acrylic resin - waterborne, Magnesium fluoride, N-pentanol, N-propanol, Polyurethane resin-B, Propylene glycol methyl ether, Water **GAL WT: 8.64 WT PCT SOLIDS: 16.97 VOL PCT SOLIDS: 12.76 SOLVENT DENSITY: 8.25 VOC LE: 3.0 VOC AP: 0.7 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55325™** Aluminum(3%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*@), N-butyl alcohol(3%), Polyurethane resin-B, Water  
GAL WT: 8.51 WT PCT SOLIDS: 17.21 VOL PCT SOLIDS: 14.66 SOLVENT DENSITY: 8.29 VOC LE: 3.0 VOC AP: 0.8 FLASH POINT: 100 °F -  
141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55333/55716™** Aluminum(2%), Ethylene glycol monobutyl ether(6%), Methyl isobutyl ketone(0.2%\*@), N-butyl alcohol(3%), Polyurethane resin-B,  
Water GAL WT: 8.50 WT PCT SOLIDS: 17.31 VOL PCT SOLIDS: 14.80 SOLVENT DENSITY: 8.28 VOC LE: 3.2 VOC AP: 0.9 FLASH POINT: 141 °F -  
200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55341/55732™** Aluminum(4%), Ethylene glycol monobutyl ether(7%), Methyl isobutyl ketone(0.2%\*@), N-butyl alcohol(3%), Polyurethane resin-B,  
Water GAL WT: 8.54 WT PCT SOLIDS: 19.02 VOL PCT SOLIDS: 15.96 SOLVENT DENSITY: 8.28 VOC LE: 3.4 VOC AP: 1.1 FLASH POINT: 100 °F -  
141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55349™** Acrylic resin, Acrylic resin - waterborne, Amorphous silica, N-pentanol, N-propanol, Polyurethane resin-A, Propylene glycol methyl ether,  
Titanium dioxide (rutile)(0.9%), Water GAL WT: 8.76 WT PCT SOLIDS: 27.48 VOL PCT SOLIDS: 21.56 SOLVENT DENSITY: 8.02 VOC LE: 3.1 VOC  
AP: 1.2 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55350/55724™** Aluminum(3%), Ethylene glycol monobutyl ether(5%), Methyl isobutyl ketone(0.2%\*@), N-butyl alcohol(3%), Polyurethane resin-B,  
Water GAL WT: 8.54 WT PCT SOLIDS: 17.81 VOL PCT SOLIDS: 15.04 SOLVENT DENSITY: 8.31 VOC LE: 3.2 VOC AP: 0.9 FLASH POINT: 141 °F -  
200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55351™** Acrylic resin, Acrylic resin - waterborne, Aluminum(3%), Hydrotreated heavy naphtha (petroleum), Iron oxide, N-pentanol, N-propanol,  
Polyurethane resin-B, Propylene glycol methyl ether, Water GAL WT: 8.45 WT PCT SOLIDS: 18.45 VOL PCT SOLIDS: 13.55 SOLVENT DENSITY: 7.93  
VOC LE: 4.4 VOC AP: 1.6 FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY  
REACTIVE: NO

**55360™** Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Titanium  
dioxide(4.6%), Water GAL WT: 9.08 WT PCT SOLIDS: 25.46 VOL PCT SOLIDS: 17.88 SOLVENT DENSITY: 8.24 VOC LE: 2.6 VOC AP: 0.7 FLASH  
POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55362™** Carbon black, hydroxy & 4-sulfophenyl-modified, sod, Dispersing agent, Ethylene glycol monobutyl ether(5%), Heavy naphtha, Methyl isobutyl  
ketone(0.1%\*@), Polyurethane resin-B, Water GAL WT: 8.42 WT PCT SOLIDS: 12.72 VOL PCT SOLIDS: 10.91 SOLVENT DENSITY: 8.22 VOC LE:  
3.3 VOC AP: 0.6 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY  
REACTIVE: NO

**55376™** Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Titanium dioxide  
(rutile)(2.6%), Water GAL WT: 8.93 WT PCT SOLIDS: 23.71 VOL PCT SOLIDS: 17.36 SOLVENT DENSITY: 8.25 VOC LE: 2.5 VOC AP: 0.7 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55384™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Titanium dioxide  
(rutile)(4.0%), Water GAL WT: 9.03 WT PCT SOLIDS: 25.23 VOL PCT SOLIDS: 18.05 SOLVENT DENSITY: 8.24 VOC LE: 2.6 VOC AP: 0.7 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55400™** Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium  
dioxide (rutile)(1.7%), Water GAL WT: 9.32 WT PCT SOLIDS: 28.11 VOL PCT SOLIDS: 18.51 SOLVENT DENSITY: 8.16 VOC LE: 2.7 VOC AP: 0.8  
FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55406™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide  
(rutile)(4.9%), Water GAL WT: 9.05 WT PCT SOLIDS: 25.50 VOL PCT SOLIDS: 18.11 SOLVENT DENSITY: 8.27 VOC LE: 2.6 VOC AP: 0.8 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55414™** Ethylene glycol monobutyl ether(4%), Iron oxide, Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium  
dioxide (rutile)(2.2%), Water GAL WT: 9.31 WT PCT SOLIDS: 28.39 VOL PCT SOLIDS: 18.91 SOLVENT DENSITY: 8.16 VOC LE: 2.7 VOC AP: 0.8  
FLASH POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55440™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide  
(rutile)(5.3%), Water GAL WT: 9.14 WT PCT SOLIDS: 25.69 VOL PCT SOLIDS: 17.49 SOLVENT DENSITY: 8.23 VOC LE: 2.7 VOC AP: 0.8 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55450™** Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(3%), Polyurethane resin-B, Titanium dioxide  
(rutile)(4.6%), Water GAL WT: 9.01 WT PCT SOLIDS: 24.67 VOL PCT SOLIDS: 17.73 SOLVENT DENSITY: 8.25 VOC LE: 2.5 VOC AP: 0.7 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55457™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*@), Mica, N-butyl alcohol(4%), Polyurethane resin-B, Titanium dioxide  
(rutile)(5.1%), Water GAL WT: 9.00 WT PCT SOLIDS: 24.70 VOL PCT SOLIDS: 17.77 SOLVENT DENSITY: 8.24 VOC LE: 2.6 VOC AP: 0.7 FLASH  
POINT: 100 °F - 141 °F H: 1 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**55597™** C.i. pigment blue 60, Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*@), N-butyl alcohol(2%), Polyurethane resin-B, Water  
GAL WT: 8.62 WT PCT SOLIDS: 24.58 VOL PCT SOLIDS: 21.21 SOLVENT DENSITY: 8.17 VOC LE: 2.3 VOC AP: 0.7 FLASH POINT: 141 °F -  
200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO





**55600™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*®), N-butyl alcohol(2%), Phthalocyanine blue pigment, Polyurethane resin-B, Water **GAL WT: 8.64 WT PCT SOLIDS: 25.75 VOL PCT SOLIDS: 22.16 SOLVENT DENSITY: 8.25 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55619™** Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*®), N-butyl alcohol(2%), Perylene pigment, Polyurethane resin-B, Water **GAL WT: 8.61 WT PCT SOLIDS: 24.66 VOL PCT SOLIDS: 21.35 SOLVENT DENSITY: 8.23 VOC LE: 2.2 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55627/55740™** Aluminum(4%), Ethylene glycol monobutyl ether(6%), Methyl isobutyl ketone(0.2%\*®), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.56 WT PCT SOLIDS: 18.06 VOL PCT SOLIDS: 15.01 SOLVENT DENSITY: 8.31 VOC LE: 3.3 VOC AP: 0.9 FLASH POINT: 141 °F - 200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55643/55708™** Carbon black(1.0%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.3%\*®), N-butyl alcohol(3%), Polyurethane resin-B, Water **GAL WT: 8.51 WT PCT SOLIDS: 22.43 VOL PCT SOLIDS: 20.01 SOLVENT DENSITY: 8.17 VOC LE: 2.4 VOC AP: 0.7 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55670™** Ethylene glycol monobutyl ether(3%), Methyl isobutyl ketone(0.2%\*®), N-butyl alcohol(2%), Polyurethane resin-B, Urea-formaldehyde condensation polymer, Water **GAL WT: 8.67 WT PCT SOLIDS: 22.08 VOL PCT SOLIDS: 18.49 SOLVENT DENSITY: 8.23 VOC LE: 2.0 VOC AP: 0.5 FLASH POINT: 141 °F - 200 °F H: 2 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**55690™** Bismuth vanadium oxide(18%), Ethylene glycol monobutyl ether(4%), Methyl isobutyl ketone(0.2%\*®), N-butyl alcohol(1%), Polyurethane resin-B, Water **GAL WT: 9.96 WT PCT SOLIDS: 36.30 VOL PCT SOLIDS: 22.87 SOLVENT DENSITY: 8.23 VOC LE: 2.3 VOC AP: 0.8 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**60671™** Acrylic polymer, Carbon black(1.4%), Hydrotreated heavy naphtha (petroleum), Polyurethane, Water **GAL WT: 8.43 WT PCT SOLIDS: 20.81 VOL PCT SOLIDS: 18.72 SOLVENT DENSITY: 8.23 VOC LE: 1.3 VOC AP: 0.3 FLASH POINT: 141 °F - 200 °F H: 1 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**60965™** Acrylic resin - waterborne, Carbon black(0.1%), Ethylene glycol monobutyl ether(2%), N-pentanol, Polyurethane resin-A, Water **GAL WT: 8.36 WT PCT SOLIDS: 11.92 VOL PCT SOLIDS: 10.26 SOLVENT DENSITY: 8.19 VOC LE: 3.2 VOC AP: 0.6 FLASH POINT: 100 °F - 141 °F H: 0 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**60981™** Acrylic resin - waterborne, Ethylene glycol monobutyl ether(2%), N-pentanol, Polyurethane resin-A, Water **GAL WT: 8.34 WT PCT SOLIDS: 12.25 VOL PCT SOLIDS: 10.59 SOLVENT DENSITY: 8.18 VOC LE: 3.3 VOC AP: 0.6 FLASH POINT: 100 °F - 141 °F H: 0 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

#### Footnotes:

**TSCA: in compliance** In compliance with TSCA Inventory requirements for commercial purposes.

**ACGIH** American Conference of Governmental Industrial Hygienists.

**IARC** International Agency for Research on Cancer.

**NTP** National Toxicology Program.

**OSHA** Occupational Safety and Health Administration.

**PNOR** Particles not otherwise regulated.

**PNOC** Particles not otherwise classified.

**STEL** Short term exposure limit.

**TWA** Time-weighted average.

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

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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.

