

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

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

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

Product: **Aerosols**

DOT Shipping Name: See DOT Addendum.

Hazardous Materials Information: See Section 10.

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**2. Composition/information on ingredients**

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
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 copolymer	NotAvail	None	A None, O None
Adhesive aids	NotAvail	0.0@25.0 °C	A None, O None
Alkyd resin	67922-67-2	None	A None, O None
Amorphous silica-fumed	68611-44-9	None	A 2.0 mg/m3 Respirable Dust, D 1.0 mg/m3 Respirable Dust, O None
Barium sulfate	7727-43-7	<0.0	O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust, D 10.0 mg/m3 Total Dust, D 5.0 mg/m3 8 & 12 hour TWA Respirable Dust, A None
Black iron oxide	1317-61-9	None	A 10.0 mg/m3 inhalable dust, O 15.0 mg/m3
Butane	106-97-8	999.9	A 1000.0 ppm, O None
Butyl acetate	123-86-4	10.0	A 200.0 ppm 15 min STEL, A 150.0 ppm, O 150.0 ppm
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 dioxide	124-38-9	838.0@70.0 °F	A 5000.0 ppm, O 5000.0 ppm
Cumene	98-82-8	3.7	A 50.0 ppm, O 50.0 ppm Skin
Cyclohexane	110-82-7	100.0@60.0 °C	A 100.0 ppm, O None
Cyclohexane, methyl-	108-87-2	None	A 400.0 ppm, O 400.0 ppm
Dimethyl ether	115-10-6	None	A 1000.0 ppm TWA, O None
Epoxy acrylate resin	345910-11-4	<110.0@50.0 °C	A None, O None
Epoxy resin	25068-38-6	2.1	A None, O None
Ethyl acetate	141-78-6	93.2@25.0 °C	A 400.0 ppm, O 400.0 ppm
Ethylbenzene	100-41-4	7.0	A 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
Hydrotreated heavy naphtha (petroleum)	64742-48-9	0.3@68.0 °F	A 100.0 ppm, O 500.0 ppm, D 100.0 ppm
Hydrous magnesium silicate	14807-96-6	None	A 2.0 mg/m3 Respirable Dust, D 0.5 mg/m3 8 & 12 hour TWA Respirable Dust, D 0.1 mg/m3 8 & 12 hour TWA, O None
Isobornyl acrylate esters	5888-33-5	20.0@140.0 °C	A None, O None
Isopropyl acetate	108-21-4	None	A 200.0 ppm 15 min STEL, A 100.0 ppm, O 250.0 ppm
Isopropyl alcohol	67-63-0	48.0	A 400.0 ppm 15 min STEL, A 200.0 ppm, O 400.0 ppm, D 200.0 ppm 8 & 12 hour TWA
Liquified compressed gas	68476-85-7	120.3	A 1000.0 ppm, O 1000.0 ppm
Methyl acetate	79-20-9	171.3@68.0 °F	A 250.0 ppm 15 min STEL, A 200.0 ppm, O 200.0 ppm
Methyl amyl ketone	110-43-0	3.4	A 50.0 ppm, O 100.0 ppm
Methyl ethyl ketone	78-93-3	71.2	A 300.0 ppm 15 min STEL, A 200.0 ppm, O 200.0 ppm, D 300.0 ppm 15 min TWA, D 200.0 ppm 8 & 12 hour TWA
Methyl 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
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-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
N-propyl acetate	109-60-4	None	A 250.0 ppm 15 min STEL, A 200.0 ppm, O 200.0 ppm
Phosphine oxide, phenylbis(2,4,6-trimethyl benzoyl)-	162881-26-7	None	S 1.0 mg/m3 Skin, A None, O None

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Polyacrylic resin	NotAvail	None	A None, O None
Polyvinyl butyral resin	68648-78-2	None	A None, O None
Polyvinyl butyraldehyde	63148-65-2	None	A None, O None
Propane	74-98-6	109.7@70.0 ° F	A None, O None
Propionic acid, n-butyl ester	590-01-2	3.4@25.0 ° C	D 100.0 ppm 8 & 12 hour TWA, A None, O None
Propylene glycol monomethyl ether acetate	108-65-6	3.8	D 30.0 ppm 15 min TWA, A None, O None
Silicone glycol copolymer	NotAvail	None	A None, O None
Titanium dioxide	13463-67-7	None	O 15.0 mg/m3 Total Dust, D 10.0 mg/m3 Total Dust, D 5.0 mg/m3 Respirable Dust, A None
Toluene	108-88-3	22.0	A 20.0 ppm , O 300.0 ppm CEIL, O 500.0 ppm 10 min TWA, O 200.0 ppm, D 50.0 ppm 8 & 12 hour TWA Skin
Unsaturated urethane acrylate resin	NotAvail	None	A None, O None
Vm&p naphtha	8032-32-4	17.9@68.0 ° F	A 300.0 ppm, D 100.0 ppm, O None
Xylene	1330-20-7	8.0@25.0 ° C	A 150.0 ppm 15 min STEL, A 100.0 ppm, O 100.0 ppm, D 150.0 ppm 15 min STEL, D 100.0 ppm 8 & 12 hour TWA
Zinc oxide	1314-13-2	None	A 10.0 mg/m3 15 min STEL Respirable Dust, A 2.0 mg/m3 Respirable Dust, O 15.0 mg/m3 Total Dust, O 5.0 mg/m3 Respirable Dust
Zinc phosphate	7779-90-0	None	O 5.0 mg/m3 Respirable Dust, A None

\*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:

##### Acetone

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

##### Butane

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: cardiovascular system. Eye contact may cause any of the following: swelling, reversible eye injury. This gas is a simple asphyxiant, which at high concentrations can reduce the amount of oxygen available for breathing.

##### Butyl acetate

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

##### Carbon black

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

##### Cumene

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

##### Epoxy acrylate resin

Eye contact may cause any of the following: irritation, redness, swelling, tearing.

##### Epoxy resin

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

##### Ethyl acetate

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver.

#### Ethylbenzene

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. WARNING: This chemical is known to the State of California to cause cancer.

#### Heptane

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

#### Hydrotreated heavy naphtha (petroleum)

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

#### Isopropyl acetate

Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

#### Isopropyl alcohol

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

#### Liquified compressed gas

May possibly cause modest initial irritation, followed in hours by severe shortness of breath, requiring prompt medical attention. May cause central nervous system effects such as temporary muscular weakness and loss of coordination. Contact may cause skin burns. Can irritate or burn eyes.

#### Methyl ethyl ketone

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

#### Methyl pyrrolidone

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

#### N-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.

#### Polyvinyl butyral resin

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin.

#### Propane

Skin or eye contact with cold gas, or liquid or solid material may cause severe frostbite. This gas is a simple asphyxiant, which at high concentrations can reduce the amount of oxygen available for breathing.

#### Propylene glycol monomethyl ether acetate

Recurrent overexposure may result in liver and kidney injury.

#### Silicone glycol copolymer

Contact may cause skin irritation with discomfort or rash. Causes severe eye irritation. May cause injury to the cornea of the eyes.

#### Titanium dioxide

Is an IARC, NTP or OSHA carcinogen. In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m<sup>3</sup> respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m<sup>3</sup> level are not relevant to the workplace. Results of a DuPont epidemiology study showed that employees who had been exposed to Titanium Dioxide were at no greater risk of developing lung cancer than were employees who had not been exposed to Titanium dioxide. No pulmonary fibrosis was found in any of the employees and no association was observed between Titanium dioxide exposure and chronic respiratory disease or x-ray abnormalities. Based on the results of this study DuPont concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.'

#### Toluene

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

#### **Vm&p naphtha**

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs, respiratory system, skin. This substance may cause damage to any of the following organs/systems: central nervous system, kidneys, liver, lungs, skin and eyes. Material may be harmful or fatal if swallowed.

#### **Xylene**

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

#### **4. First aid measures**

##### **First Aid Procedures:**

##### **Inhalation:**

If affected by inhalation of vapor or spray mist, move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

##### **Ingestion:**

In the unlikely event of ingestion, DO NOT INDUCE VOMITING. Call a physician immediately and have names of ingredients available.

##### **Skin or eye contact:**

In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash thoroughly with soap and water. If irritation occurs, contact a physician.

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

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

See Section 11 for exact values.

**Flammable Limits:** LFL 0.5 % UFL 18.6 %

##### **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)	-42 – 91 °C
Approx. Freezing Range ( °C)	-190 – -74 °C
Gallon Weight (lbs/gal)	5.64984 - 8.1618
Specific Gravity	0.68 - 0.98
Percent Volatile By Volume	75.70 - 100.00
Percent Volatile By Weight	57.07 - 100.00
Percent Solids By Volume	0.00 - 24.30
Percent Solids By Weight	0.00 - 42.93

**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**

**A-19301S™** Acrylic copolymer, Ethylbenzene(3.5%\*<sup>@</sup>), Isopropyl alcohol, Liquefied compressed gas, Methyl ethyl ketone, Methyl isobutyl ketone(15%\*<sup>@</sup>), Propylene glycol monomethyl ether acetate, Toluene(14%\*<sup>@</sup>), Xylene(14%\*<sup>@</sup>) **GAL WT: 7.05 WT PCT SOLIDS: 5.69 VOL PCT SOLIDS: 4.37 SOLVENT DENSITY: 6.95 VOC LE: 6.6 VOC AP: 6.6 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES**

**A-2320S™** Isopropyl alcohol, Liquefied compressed gas, Methyl amyl ketone, Vm&p naphtha **GAL WT: 5.83 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 5.83 VOC LE: 5.8 VOC AP: 5.8 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**A-2330S™** Alkyd resin, Cyclohexane(2%\*), Ethyl acetate, Ethylbenzene(1.1%\*<sup>@</sup>), Liquefied compressed gas, Methyl ethyl ketone, Methyl pyrrolidone(1%\*), Titanium dioxide(1.0%), Toluene(6%\*<sup>@</sup>), Xylene(5%\*<sup>@</sup>) **GAL WT: 6.25 WT PCT SOLIDS: 6.90 VOL PCT SOLIDS: 3.82 SOLVENT DENSITY: 6.05 VOC LE: 5.8 VOC AP: 5.8 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**A-300S™** Acetone, Dimethyl ether, Isopropyl acetate **GAL WT: 6.20 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.20 VOC LE: 6.1 VOC AP: 4.9 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**A-3130S™** Acetone, Adhesive aids, Barium sulfate, Dimethyl ether, Epoxy acrylate resin, Hydrous magnesium silicate, Isobornyl acrylate esters, N-propyl acetate, Phosphine oxide, phenylbis(2,4,6 - trimethyl benzoyl)-, Titanium dioxide(0.2%), Unsaturated urethane acrylate resin, Zinc oxide(1%\*), Zinc phosphate(4%\*) **GAL WT: 8.16 WT PCT SOLIDS: 42.93 VOL PCT SOLIDS: 24.30 SOLVENT DENSITY: 6.14 VOC LE: 4.2 VOC AP: 3.4 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**A-3970S™** Carbon dioxide, Cyclohexane, methyl-, Heptane, Hydrotreated heavy naphtha (petroleum), Toluene(10%\*<sup>@</sup>), Vm&p naphtha **GAL WT: 7.27 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.27 VOC LE: 7.3 VOC AP: 7.3 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO**

**A-3990S™** Carbon dioxide, Cumene(0.1%\*), Ethylbenzene(0.2%\*), Heptane, Hydrotreated heavy naphtha (petroleum), Toluene(11%\*), Vm&p naphtha GAL WT: 7.53 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.53 VOC LE: 7.5 VOC AP: 7.5 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4114S™** Acetone, Butyl acetate, Epoxy resin, Ethyl acetate, Ethylbenzene(0.5%\*), Hydrous magnesium silicate, Liquefied compressed gas, Methyl acetate, Methyl ethyl ketone, Methyl isobutyl ketone(3%\*), N-butyl alcohol(5%\*), Polyvinyl butyraldehyde, Propylene glycol monomethyl ether acetate, Titanium dioxide(3.4%), Xylene(2%\*), Zinc phosphate(1%\*) GAL WT: 6.71 WT PCT SOLIDS: 11.79 VOL PCT SOLIDS: 4.59 SOLVENT DENSITY: 6.20 VOC LE: 5.4 VOC AP: 3.9 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4115S™** Acetone, Butyl acetate, Epoxy resin, Ethyl acetate, Ethylbenzene(0.5%\*), Hydrous magnesium silicate, Liquefied compressed gas, Methyl acetate, Methyl ethyl ketone, Methyl isobutyl ketone(3%\*), N-butyl alcohol(5%\*), Polyvinyl butyraldehyde, Propylene glycol monomethyl ether acetate, Titanium dioxide(3.1%), Xylene(2%\*), Zinc phosphate(1%\*) GAL WT: 6.72 WT PCT SOLIDS: 11.85 VOL PCT SOLIDS: 4.60 SOLVENT DENSITY: 6.21 VOC LE: 5.4 VOC AP: 3.9 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4119S™** Acetone, Amorphous silica-fumed, Barium sulfate, Black iron oxide, Butane, Butyl acetate, Carbon black(0.1%), Epoxy resin, Ethylbenzene(0.2%\*), Hydrous magnesium silicate, Liquefied compressed gas, N-butyl alcohol(10%), N-propanol, Polyvinyl butyral resin, Propylene glycol monomethyl ether acetate GAL WT: 6.90 WT PCT SOLIDS: 19.45 VOL PCT SOLIDS: 7.40 SOLVENT DENSITY: 6.01 VOC LE: 5.0 VOC AP: 3.3 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4120S™** Acetone, Amorphous silica-fumed, Butyl acetate, Epoxy resin, Ethylbenzene(1.0%\*), Hydrous magnesium silicate, Isopropyl alcohol, Liquefied compressed gas, N-butyl alcohol(7%\*), Polyvinyl butyraldehyde, Propylene glycol monomethyl ether acetate, Titanium dioxide(5.2%), Xylene(4%\*), Zinc phosphate(2%\*) GAL WT: 6.82 WT PCT SOLIDS: 18.33 VOL PCT SOLIDS: 7.23 SOLVENT DENSITY: 6.00 VOC LE: 5.1 VOC AP: 3.6 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4140S™** Acetone, Butyl acetate, Epoxy resin, Ethylbenzene(0.7%\*), Hydrous magnesium silicate, Liquefied compressed gas, N-butyl alcohol(12%\*), Polyvinyl butyraldehyde, Propylene glycol monomethyl ether acetate, Titanium dioxide(4.1%), Xylene(3%\*), Zinc phosphate(2%\*) GAL WT: 6.62 WT PCT SOLIDS: 14.32 VOL PCT SOLIDS: 5.50 SOLVENT DENSITY: 6.00 VOC LE: 5.1 VOC AP: 3.3 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4160S™** Acetone, Amorphous silica-fumed, Butyl acetate, Carbon black(0.6%), Epoxy resin, Ethylbenzene(0.9%\*), Hydrous magnesium silicate, Isopropyl alcohol, Liquefied compressed gas, N-butyl alcohol(6%\*), Polyvinyl butyraldehyde, Propylene glycol monomethyl ether acetate, Titanium dioxide(3.5%), Xylene(3%\*), Zinc phosphate(2%\*) GAL WT: 6.70 WT PCT SOLIDS: 15.91 VOL PCT SOLIDS: 6.43 SOLVENT DENSITY: 6.02 VOC LE: 5.1 VOC AP: 3.4 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4220S™** Acetone, Amorphous silica-fumed, Butane, Butyl acetate, Dimethyl ether, Epoxy resin, Ethylbenzene(0.8%\*), Hydrous magnesium silicate, Liquefied compressed gas, N-butyl alcohol(7%\*), N-propanol, Polyvinyl butyraldehyde, Propane, Propylene glycol monomethyl ether acetate, Titanium dioxide(4.7%), Xylene(3%\*), Zinc phosphate(2%\*) GAL WT: 7.19 WT PCT SOLIDS: 16.42 VOL PCT SOLIDS: 6.70 SOLVENT DENSITY: 6.45 VOC LE: 5.4 VOC AP: 4.2 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4240S™** Acetone, Amorphous silica-fumed, Butane, Butyl acetate, Carbon black(0.1%), Dimethyl ether, Epoxy resin, Ethylbenzene(0.8%\*), Hydrous magnesium silicate, Liquefied compressed gas, N-butyl alcohol(7%\*), N-propanol, Polyvinyl butyraldehyde, Propane, Propylene glycol monomethyl ether acetate, Titanium dioxide(4.6%), Xylene(3%\*), Zinc phosphate(2%\*) GAL WT: 7.18 WT PCT SOLIDS: 16.33 VOL PCT SOLIDS: 6.69 SOLVENT DENSITY: 6.45 VOC LE: 5.4 VOC AP: 4.2 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-4260S™** Acetone, Amorphous silica-fumed, Butane, Butyl acetate, Carbon black(0.6%), Dimethyl ether, Epoxy resin, Ethylbenzene(0.8%\*), Hydrous magnesium silicate, Liquefied compressed gas, N-butyl alcohol(7%\*), N-propanol, Polyvinyl butyraldehyde, Propane, Propylene glycol monomethyl ether acetate, Titanium dioxide(3.5%), Xylene(3%\*), Zinc phosphate(2%\*) GAL WT: 7.13 WT PCT SOLIDS: 15.59 VOL PCT SOLIDS: 6.61 SOLVENT DENSITY: 6.45 VOC LE: 5.4 VOC AP: 4.2 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-5099S™** Acetone, Carbon black(1.8%), Ethyl acetate, Isopropyl alcohol, Methyl ethyl ketone, Methyl isobutyl ketone(10%\*), Propane, Propylene glycol monomethyl ether acetate, Toluene(16%\*) GAL WT: 7.63 WT PCT SOLIDS: 2.22 VOL PCT SOLIDS: 1.10 SOLVENT DENSITY: 7.54 VOC LE: 6.2 VOC AP: 4.8 FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: YES

**A-7160S™** Acetone, Butyl acetate, Ethylbenzene(0.5%\*), Heptane, Isopropyl alcohol, Liquefied compressed gas, Methyl ethyl ketone, Propionic acid, n-butyl ester, Toluene(6%\*), Xylene(2%\*) GAL WT: 5.65 WT PCT SOLIDS: 0.07 VOL PCT SOLIDS: 0.04 SOLVENT DENSITY: 5.65 VOC LE: 5.3 VOC AP: 3.9 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**A-7480S™** Acetone, Butane, Butyl acetate, Ethylbenzene(1.8%\*), Isopropyl alcohol, Liquefied compressed gas, N-propanol, Polyacrylic resin, Propylene glycol monomethyl ether acetate, Xylene(7%\*) GAL WT: 6.12 WT PCT SOLIDS: 14.79 VOL PCT SOLIDS: 9.23 SOLVENT DENSITY: 5.78 VOC LE: 4.9 VOC AP: 4.0 FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In Compliance PHOTOCHEMICALLY REACTIVE: NO

**Footnotes:**

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

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

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

**NTP** National Toxicology Program.

**OSHA** Occupational Safety and Health Administration.

**PNOR** Particles not otherwise regulated.

**PNOC** Particles not otherwise classified.

**STEL** Short term exposure limit.

**TWA** Time-weighted average.

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\* = Section 313 Supplier Notification: These chemicals are subject to the reporting requirements of Section 313 of the Emergency planning and Right-to-Know act of 1986 and of 40 CFR 372.

@ = Listed as a Clean Air Act Hazardous Air Pollutant.

# = EPCRA Section 302 - Extremely hazardous substances.

**Notice:**

The information on this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Product Manager: Refinish Sales

Prepared by: Y. B. Yarbrough