

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

Manufacturer: Standox  
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: **7 - Standox® Thinners**

DOT Shipping Name: See Index.

Hazardous Materials Information: See Section 10.

Products covered in this document include: Standoflex® Thinner 11100 (16160), Standohyd® LH Reducer (Low Humidity) (16191), Standohyd® VE Water (80184), Standox Silistop (11107), Standox® 2.1 Thinner - Fast (11786), Standox® 2.1 Thinner - Slow (16133), Standox® 2.1 Thinner Normal (10097), Standox® 2K Fade Out Thinner 11031 (11247), Standox® 2K Smart Blend Plus (16174), Standox® Express Thinner 2K 15-25 (60-80F) (11182), Standox® Fast Dry Additive (16169), Standox® MS Thinner 2K 25-35 (80-95F) (11484), Standox® MSB Thinner 05-15 (<60F) (11395), Standox® MSB Thinner 15-25 (59-75F) (12049), Standox® MSB Thinner 20-30 (70-85F) (11387), Standox® MSB Thinner 25-40 (75-90F) (19523), Standox® MSB Thinner 30-45 (>95F) (16158), Standox® Polyester Thinner (11719), Standox® Rapid Thinner 2K 10-20 (<60F) (11573), Standox® Thinner 2K 35-40 (>95F) (11921), Standox® Universal Thinner (11012) (11905), Standox® VOC Sealer Agent (16171)

**2. Composition/information on ingredients**

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
1,2,4-trimethyl benzene	95-63-6	7.0@44.4 °C	A 25.0 ppm, O 25.0 ppm
1,3,5-trimethyl benzene	108-67-8	None	A 25.0 ppm, O None
2,4-pentanedione	123-54-6	9.0	D 5.0 ppm 8 & 12 hour TWA, A None, O None
2-butoxyethyl acetate	112-07-2	0.4	A 130.0 mg/m <sup>3</sup> , D 10.0 ppm Skin, D 20.0 ppm 8 & 12 hour TWA, O None
2-methyl butyl acetate	624-41-9	None	A 100.0 ppm 15 min STEL, A 50.0 ppm, O None
4-chlorobenzotrifluoride	98-56-6	7.6@25.0 °C	D 20.0 ppm 8 & 12 hour TWA, A None, O None
Acetone	67-64-1	247.0@68.0 °F	A 750.0 ppm 15 min STEL, A 500.0 ppm, O 1000.0 ppm, D 500.0 ppm 8 & 12 hour TWA
Acrylate polymer	NotAvail	None	A None, O None
Acrylic polymer	162568-42-5	None	A None, O None
Aromatic hydrocarbon	64742-95-6	10.0@25.0 °C	D 50.0 ppm, A None, O None
Butyl acetate	123-86-4	10.0	A 200.0 ppm 15 min STEL, A 150.0 ppm, O 150.0 ppm
Cyclohexanone	108-94-1	4.0	A 50.0 ppm 15 min STEL Skin, A 20.0 ppm Skin, O 25.0 ppm TWA, D 50.0 ppm 15 min TWA Skin, D 25.0 ppm 8 & 12 hour TWA Skin
Dipropylene glycol methyl ether	34590-94-8	0.4@25.0 °C	A 150.0 ppm 15 min STEL Skin, A 100.0 ppm Skin, O 600.0 mg/m <sup>3</sup> PEL Skin, O 100.0 ppm Skin
Esters high boiling point	7397-62-8	None	A None, O None
Ethoxypropyl acetate	98516-30-4	2.3	A None, O None
Ethyl 3-ethoxy propionate	763-69-9	2.0@25.0 °C	A None, O None
Ethyl acetate	141-78-6	93.2@25.0 °C	A 400.0 ppm, O 400.0 ppm
Ethylbenzene	100-41-4	7.0	A 125.0 ppm 15 min STEL, A 100.0 ppm, O 100.0 ppm, D 25.0 ppm 8 & 12 hour TWA
Hydrotreated heavy naphtha (petroleum)	64742-48-9	None	A None, O None
Isobutyl alcohol	78-83-1	9.7@22.0 °C	A 50.0 ppm, O 100.0 ppm
Isopropyl alcohol	67-63-0	48.0	A 400.0 ppm 15 min STEL, A 200.0 ppm, O 400.0 ppm, D 200.0 ppm 8 & 12 hour TWA
Methyl isobutyl ketone	108-10-1	15.1	A 75.0 ppm 15 min STEL, A 50.0 ppm, O 100.0 ppm
N-pentanol	71-41-0	1.5	A None, O None
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	5.1	A None, O None
Octamethylcyclotetrasiloxane	556-67-2	None	A None, O None
Polyester resin	129922-22-1	None	A None, O None
Polypropylene glycol	25322-69-4	<0.0	A None, O None
Polyurethane resin	NotAvail	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
Propanol, 1(or 2)-ethoxy-, acetate	98516-30-4	None	A None, O None
Propylene glycol methyl ether	107-98-2	11.2@77.0 °F	A 150.0 ppm 15 min STEL, A 100.0 ppm, O None
Propylene glycol monomethyl ether acetate	108-65-6	3.8	D 10.0 ppm 8 & 12 hour TWA, A None, O None
Propyleneglycoldiacetate	623-84-7	0.9	A None, O None
Tripropylene glycol methyl ether	25498-49-1	0.0	A None, O None
Water	7732-18-5	23.6	A None, O None





**INGREDIENTS**

Xylene

**CAS #**  
1330-20-7

**VAPOR PRESSURE**  
8.0@25.0 °C

**EXPOSURE LIMITS**

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

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

**3. Hazards identification**

**Potential Health Effects:**

**Inhalation:**

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

**Ingestion:**

May result in gastrointestinal distress.

**Skin or eye contact:**

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

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

**2,4-pentanedione**

2,4-pentanedione, a component of this product, is regulated by the U.S. EPA, under a significant new use rule. It is a violation of federal law to sell or use this product in consumer applications, including to private individuals, schools, and vocational schools. Can be absorbed through the skin in harmful amounts. Repeated exposures to high concentrations has caused adverse health effects in laboratory animals. These effects involved the central nervous system, immune system, and the red blood cell forming system. No effect was seen at 100 ppm. The odor is disagreeable at a few ppm. Repeated or prolonged skin contact may cause any of the following: skin sensitization. Skin or eye contact may cause any of the following: irritation. Overexposure of this substance may cause effects on any of the following organs/systems: central nervous system, lungs, upper respiratory system, thymus.

**4-chlorobenzotrifluoride**

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: skin. Prolonged or repeated exposure may cause damage to any of the following organs/systems: kidneys, liver, thyroid. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Ingestion may cause any of the following: gastrointestinal irritation. Eye contact may cause any of the following: permanent eye injury. Inhalation may cause any of the following: stupor (central nervous system depression), respiratory tract irritation.

**Acetone**

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

**Aromatic hydrocarbon**

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

**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.

**Cyclohexanone**

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

**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.

**Isobutyl alcohol**

Has shown carcinogenic activity in laboratory animals at high doses. Significance to man is unknown. May cause irritation of the mucous membranes. May cause abnormal liver function. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: bone marrow, liver. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns.



#### Isopropyl alcohol

The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact 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.

#### Methyl isobutyl ketone

The following medical conditions may be aggravated by exposure: asthma, respiratory disease, eye disorders, pulmonary conditions, skin disorders. Repeated or prolonged skin contact may cause any of the following: dryness, cracking of the skin, defatting. Inhalation may cause any of the following: dizziness, stupor (central nervous system depression), drowsiness, respiratory tract irritation.

#### Octamethylcyclotetrasiloxane

Can irritate or burn eyes.

#### Propylene glycol methyl ether

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

#### Propylene glycol monomethyl ether acetate

Recurrent overexposure may result in liver and kidney injury.

#### 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

#### Hazardous combustion products:

Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

#### 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.

#### 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.

#### Special Protective Equipment and Fire Fighting Procedures:

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

#### Additional advice:

Cool closed containers exposed to fire with water spray.

### 6. Accidental release measures

#### Procedures for cleaning up spills or leaks:

Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor. If material does not contain or is not mixed with an isocyanate activator/hardener: Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine, remove with inert absorbent, and dispose of properly. If the material contains, or is mixed with an isocyanate activator/hardener: Wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C), eye protection, gloves and protective clothing. Pour liquid decontamination solution over the spill and allow to sit at least 10 minutes. Typical decontamination solutions for isocyanate containing materials are: 20% Surfactant (Tergitol TMN 10) and 80% Water OR 0-10% Ammonia, 2-5% Detergent and Water (balance). Pressure can be generated. Do not seal waste containers for 48 hours to allow CO2 to vent. After 48 hours, material may be sealed and disposed of properly.

**Ecological information:**

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

**7. Handling and storage**

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

Observe label precautions. If combustible (flashpoint between 38-93 deg C or 100 - 200 deg F), keep away from heat, sparks and flame. If flammable (flashpoint less than 38 deg C or 100 deg F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than - 8 deg C or 20 deg F) or flammable, VAPORS MAY IGNITE EXPLOSIVELY OR CAUSE FLASH FIRE, respectively. Vapors may spread long distances. Prevent buildup of vapors. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 49 deg C or 120 deg F. If product is waterbased, do not freeze.

**Other precautions:**

If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

**8. Exposure controls/personal protection**

**Ventilation:**

Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits.

**Respiratory protection:**

Do not breathe vapors or mists. If this product contains isocyanates or is used with an isocyanate activator/hardener, wear a positive-pressure, supplied-air respirator (NIOSH approved TC-19C) while mixing activator/hardener with paint, during application and until all vapors and spray mist are exhausted. If product does not contain or is not mixed with an isocyanate activator/hardener, a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH TC-23C) and particulate filter (NIOSH TC-84A) may be used. Follow respirator manufacturer's directions for respirator use. Do not permit anyone without protection in the painting area. Individuals with history of lung or breathing problems or prior reaction to isocyanates should not use or be exposed vapor or spray mist if product contains or is mixed with isocyanate activators/hardeners.

**Protective equipment:**

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

**Skin and body protection:**

Neoprene gloves and coveralls are recommended.

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

**9. Physical and chemical properties**

Evaporation rate	Slower than Ether
Water solubility	NIL
Vapour density	Heavier than air
Approx. Boiling Range ( °C)	56 – 184 °C
Approx. Freezing Range ( °C)	-108 – -35 °C
Gallon Weight (lbs/gal)	7.09359 - 10.7238
Specific Gravity	0.85 - 1.29
Percent Volatile By Volume	74.87 - 100.00
Percent Volatile By Weight	77.64 - 100.00
Percent Solids By Volume	0.00 - 25.13
Percent Solids By Weight	0.00 - 22.36

**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**

10097™ 4-chlorobenzotrifluoride, Acetone GAL WT: 10.71 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 10.71 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO



11107™ Butyl acetate, Ethylbenzene(18.5%\*), Octamethylcyclotetrasiloxane, Xylene(74%\*) GAL WT: 7.24 WT PCT SOLIDS: 2.50 VOL PCT SOLIDS: 2.26 SOLVENT DENSITY: 7.20 VOC LE: 7.1 VOC AP: 7.1 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

11182™ Butyl acetate, Propylene glycol monomethyl ether acetate GAL WT: 7.67 WT PCT SOLIDS: 0.02 VOL PCT SOLIDS: 0.02 SOLVENT DENSITY: 7.67 VOC LE: 7.7 VOC AP: 7.7 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11247™ 2-butoxyethyl acetate(17%\*), Cyclohexanone, Propylene glycol monomethyl ether acetate GAL WT: 7.93 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.93 VOC LE: 7.9 VOC AP: 7.9 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11387™ 1,2,4-trimethyl benzene(1%\*), 2-butoxyethyl acetate(3%\*), Butyl acetate, Esters high boiling point, Ethylbenzene(3.3%\*), Naphtha (petroleum), hydrodesulfurized heavy, Xylene(14%\*) GAL WT: 7.12 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.12 VOC LE: 7.1 VOC AP: 7.1 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

11395™ 1,2,4-trimethyl benzene(3%\*), Aromatic hydrocarbon, Butyl acetate, Ethoxypropyl acetate, Ethylbenzene(2.0%\*), Isobutyl alcohol, Xylene(8%\*) GAL WT: 7.30 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.30 VOC LE: 7.3 VOC AP: 7.3 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

11484™ 2-butoxyethyl acetate(23%\*), Butyl acetate, Ethoxypropyl acetate, Propanol, 1(or 2)-ethoxy-, acetate GAL WT: 7.57 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.57 VOC LE: 7.6 VOC AP: 7.6 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11573™ Butyl acetate, Ethylbenzene(1.2%\*), Xylene(5%\*) GAL WT: 7.34 WT PCT SOLIDS: 0.03 VOL PCT SOLIDS: 0.02 SOLVENT DENSITY: 7.34 VOC LE: 7.3 VOC AP: 7.3 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11719™ Butyl acetate, Ethyl acetate GAL WT: 7.51 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.51 VOC LE: 7.5 VOC AP: 7.5 FLASH POINT: 20 °F to below 73 °F H: 1 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11786™ 4-chlorobenzotrifluoride, Acetone GAL WT: 10.72 WT PCT SOLIDS: 0.05 VOL PCT SOLIDS: 0.06 SOLVENT DENSITY: 10.72 VOC LE: 6.7 VOC AP: 0.0 FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11905™ Butyl acetate, Propylene glycol monomethyl ether acetate GAL WT: 7.67 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.67 VOC LE: 7.7 VOC AP: 7.7 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

11921™ 2-butoxyethyl acetate(97%\*), Ethylbenzene(0.2%\*) GAL WT: 7.84 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.84 VOC LE: 7.8 VOC AP: 7.8 FLASH POINT: 141 °F - 200 °F H: 0 F: 2 R: 0 OSHA STORAGE: IIIA TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

12049™ Butyl acetate, Dipropylene glycol methyl ether, Esters high boiling point, Ethylbenzene(2.0%\*), Hydrotreated heavy naphtha (petroleum), Xylene(8%\*) GAL WT: 7.09 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.08 VOC LE: 7.1 VOC AP: 7.1 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

16133™ 4-chlorobenzotrifluoride, Acetone, Ethyl 3-ethoxy propionate, Polyester resin GAL WT: 10.48 WT PCT SOLIDS: 6.76 VOL PCT SOLIDS: 7.93 SOLVENT DENSITY: 10.61 VOC LE: 2.3 VOC AP: 0.3 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

16158™ 1,2,4-trimethyl benzene(2%\*), 2-butoxyethyl acetate(18%\*), Aromatic hydrocarbon, Butyl acetate, Dipropylene glycol methyl ether, Propylene glycol monomethyl ether acetate GAL WT: 7.70 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.70 VOC LE: 7.7 VOC AP: 7.7 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

16160™ Isobutyl alcohol, Isopropyl alcohol, Propylene glycol methyl ether GAL WT: 7.17 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.17 VOC LE: 7.2 VOC AP: 7.2 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 1 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

16169™ 2,4-pentanedione, Butyl acetate, Ethylbenzene(1.5%\*), Methyl isobutyl ketone(7%\*), Xylene(6%\*) GAL WT: 7.36 WT PCT SOLIDS: 0.68 VOL PCT SOLIDS: 0.57 SOLVENT DENSITY: 7.35 VOC LE: 7.3 VOC AP: 7.3 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: NO

16171™ 4-chlorobenzotrifluoride, Acrylate polymer, Aromatic hydrocarbon GAL WT: 10.02 WT PCT SOLIDS: 22.36 VOL PCT SOLIDS: 25.13 SOLVENT DENSITY: 10.61 VOC LE: 2.8 VOC AP: 1.2 FLASH POINT: 73 °F to below 100 °F H: 1 F: 3 R: 1 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALY REACTIVE: YES

16174™ 2-methyl butyl acetate, Acrylic polymer, Butyl acetate, Cyclohexanone, Ethyl acetate, Ethylbenzene(2.7%\*), Primary amyl acetate, Propylene glycol monomethyl ether acetate, Propyleneglycol diacetate, Xylene(11%\*) GAL WT: 7.73 WT PCT SOLIDS: 4.70 VOL PCT SOLIDS: 3.75 SOLVENT DENSITY: 7.65 VOC LE: 7.4 VOC AP: 7.4 FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IB TSCA STATUS: In Compliance





**PHOTO-CHEMICALLY REACTIVE: YES**

**16191™** Acetone, N-pentanol, Polypropylene glycol, Polyurethane resin, Tripropylene glycol methyl ether, Water **GAL WT: 8.46 WT PCT SOLIDS: 18.91 VOL PCT SOLIDS: 17.06 SOLVENT DENSITY: 8.27 VOC LE: 3.0 VOC AP: 0.9 FLASH POINT: Above 200 °F H: 2 F: 1 R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO**

**19523™** 1,2,4-trimethyl benzene(5%\*), 1,3,5-trimethyl benzene, 2-butoxyethyl acetate(8%@), Aromatic hydrocarbon, Butyl acetate, Dipropylene glycol methyl ether, Esters high boiling point, Ethylbenzene(1.2%\*@), Naphtha (petroleum), hydrodesulfurized heavy, Xylene(5%\*@) **GAL WT: 7.25 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 7.25 VOC LE: 7.2 VOC AP: 7.2 FLASH POINT: 73 °F to below 100 °F H: 2 F: 3 R: 0 OSHA STORAGE: IC TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES**

**80184™** Water **GAL WT: 8.35 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 8.35 VOC LE: 0.0 VOC AP: 0.0 FLASH POINT: Above 200 °F H: 0 F: R: 0 OSHA STORAGE: IIIB TSCA STATUS: In Compliance PHOTO-CHEMICALLY 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.

All products denoted with TM or ® are trademarks or registered trademarks of E. I. du Pont de Nemours and Company or its affiliates.

\* = 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.

