SECTION 1 - Product and Company Identification

Manufacturer: E.I. du Pont de Nemours & Co.
Du Pont Performance Coatings
Wilmington, DE, 19898

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

Product: **Nason® Activators, Reducers, Solvents & Additives**

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section 10.

SECTION 2 - Composition/information on ingredients

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
1,10-phenanthroline	66-71-7	4.0	A None O None
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
1,6-hexamethylene diisocyanate	822-06-0	0.0@25.0°C	A 5.0 ppb O None
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	0.0	A None O None
2,2,4-trimethylpentane	540-84-1	None	A 300.0 ppm O 500.0 ppm
2,4-pentanedione	123-54-6	9.0	D 5.0 ppm 8 & 12 hour TWA A None O None
2-ethylhexanoic acid	149-57-5	None	A None O None
2-ethylhexyl acetate	103-09-3	0.5	A None O None
4-chlorobenzotrifluoride	98-56-6	7.6@25.0°C	D 20.0 ppm 8 & 12 hour TWA A None O None
Acetone	67-64-1	247.0@68.0°F	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA
Acrylic polymer-A	NotAvail	None	A None O None
Acrylic polymer-B	68153-83-3	None	A None O None
Aliphatic polyisocyanate resin	28182-81-2	None	S 1.0 mg/m3 15 min STEL S 0.5 mg/m3 A None O None
Aromatic hydrocarbon-A	64742-94-5	10.0	D 100.0 ppm A None O None
Aromatic hydrocarbon-B	64742-95-6	10.0@25.0°C	D 50.0 ppm A None O None
Benzene, propyl-	103-65-1	None	A None O None
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	41556-26-7	None	A None O None
Butanedioic acid, dimethyl ester	106-65-0	None	D 10.0 mg/m3 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
Cobalt neodecanoate	27253-31-2	2.0@68.0°F	A None O None
Cyclohexane, methyl-	108-87-2	None	A 400.0 ppm O 400.0 ppm
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	None	A None O None
Dibutyl tin dilaurate	77-58-7	0.2@160.0°C	A 0.2 mg/m3 15 min STEL Skin Sn A 0.1 mg/m3 Skin Sn O 0.1 mg/m3 Sn
Dimethyl glutarate	1119-40-0	0.2	D 10.0 mg/m3 A None O None
Ethyl 3-ethoxy propionate	763-69-9	1.1@25.0°C	A None O None
Ethyl acetate	141-78-6	93.2@25.0°C	A 400.0 ppm

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
			O 400.0 ppm
Ethyl alcohol			
	64-17-5	59.0	A 1000.0 ppm
			O 1000.0 ppm
			D 1000.0 ppm
			8 & 12 hour TWA
Ethylbenzene			
	100-41-4	7.0	A 125.0 ppm
			15 min STEL
			A 100.0 ppm
			O 100.0 ppm
			D 25.0 ppm
			8 & 12 hour TWA
Ethylene glycol monobutyl ether			
	111-76-2	0.6	A 20.0 ppm
			O 50.0 ppm
			Skin
			D 5.0 ppm
			Skin
Ethylene glycol monobutyl ether acetate			
	112-07-2	0.3	A 20.0 ppm
			D 20.0 ppm
			8 & 12 hour TWA
			O None
Glycols, polyethylene polypropylene, monobutyl ether			
	9038-95-3	9.0	A None
			O None
Heptane			
	142-82-5	45.0@66.0°F	A 500.0 ppm
			15 min STEL
			A 400.0 ppm
			O 500.0 ppm
Hydrogen peroxide			
	7722-84-1	None	O 1.4 mg/m3
			A None
Isophorone diisocyanate			
	4098-71-9	None	A 5.0 ppb
			Skin
			O None
Isophorone diisocyanate homopolymer			
	53880-05-0	None	A None
			O None
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
Manganese neodecanoate			
	27253-32-3	None	A 0.2 mg/m3
			Mn
			O 5.0 mg/m3
			CEIL
			Mn
Medium mineral spirits			
	64742-88-7	0.3@68.0°F	D 50.0 ppm
			8 & 12 hour TWA
			A None
			O None
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 alcohol			
	67-56-1	127.7@21.2°C	A 250.0 ppm
			15 min STEL
			Skin
			A 200.0 ppm
			Skin
			O 200.0 ppm
			D 200.0 ppm
			8 & 12 hour TWA
			Skin
Methyl amyl ketone			
	110-43-0	3.4	A 50.0 ppm
			O 100.0 ppm
Methyl ethyl ketone			
	78-93-3	None	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 ethyl ketone peroxide			
	1338-23-4	None	A 1.5 mg/m3
			CEIL
			O 1.5 mg/m3
			CEIL
Methyl isoamyl ketone			
	110-12-3	5.3	A None
			O None
Methyl isobutyl ketone			
	108-10-1	15.1	A 75.0 ppm
			15 min STEL
			A 50.0 ppm
			O 100.0 ppm
Methyl siloxane linear/cyclic			
	70131-67-8	<0.0	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 TWA
			D 25.0 ppm
N-hexane			
	110-54-3	180.0@25.0°C	A 50.0 ppm
			Skin
			O 500.0 ppm
			D 25.0 ppm
			8 & 12 hour TWA
			Skin
N-pentyl propionate			
	624-54-4	1.5	A None
			O None
Naphthalene			
	91-20-3	None	A 15.0 ppm
			CEIL
			Skin
			A 10.0 ppm
			Skin
			O 10.0 ppm
			D 0.1 ppm
			8 & 12 hour TWA

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
Octamethylcyclotetrasiloxane			
	556-67-2	None	A None O None
P-toluenesulfonyl isocyanate			
	4083-64-1	0.0@50.0°C	A None O None
Phosphoric acid			
	7664-38-2	None	A 3.0 mg/m3 15 min STEL A 1.0 mg/m3 O 1.0 mg/m3 D 1.0 mg/m3 8 & 12 hour TWA
Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl			
	104810-48-2	None	A None O None
Polyamide resin			
	68424-41-9	None	A None O None
Polyester resin			
	68604-67-1	None	A None O None
Polyol resin			
	NotAvail	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
Stoddard solvent			
	8052-41-3	None	A 100.0 ppm O 500.0 ppm TWA D 50.0 ppm 8 & 12 hour TWA
Substituted benzotriazole			
	25973-55-1	None	A None O None
T-butyl acetate			
	540-88-5	None	A 200.0 ppm O 200.0 ppm
Toluene			
	108-88-3	22.0	A 50.0 ppm Skin O 300.0 ppm CEIL O 500.0 ppm 10 min TWA O 200.0 ppm D 50.0 ppm 8 & 12 hour TWA
Ultraviolet absorber			
	104810-47-1	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
Water			
	7732-18-5	23.6	A None O None
Xylene			
	1330-20-7	8.0@25.0°C	A 150.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 150.0 ppm 15 min STEL D 100.0 ppm 8 & 12 hour TWA
Zirconium 2-ethylhexanoate			
	22464-99-9	None	A 10.0 mg/m3 15 min STEL Zr A 5.0 mg/m3 Zr O 5.0 mg/m3 Zr

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

SECTION 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:
1,10-phenanthroline
May cause eye irritation with discomfort, tearing, or blurred vision. Can be absorbed through the skin in harmful amounts.

1,6-hexamethylene diisocyanate
Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Overexposure may cause damage to any of the following organs/systems: lungs, skin. Can result in irritation and

possible corrosive action in the mouth, stomach tissue and digestive tract. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of the following: irritation.

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.

2-ethylhexanoic acid
May cause eye, skin and upper respiratory tract irritation.

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.

Aliphatic polyisocyanate resin
Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of the following: irritation.

Aromatic hydrocarbon-A
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.

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

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate
Repeated exposure may cause allergic skin rash, itching, swelling.

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

Cobalt neodecanoate
Some cobalt compounds may be possible human carcinogens.

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.

Ethyl alcohol
The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

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

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

Ethylene glycol monobutyl ether acetate
May destroy red blood cells. May cause abnormal kidney function. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. The following medical conditions may be aggravated by exposure: central nervous system, gastrointestinal system, kidneys, liver, dermatitis. Can be absorbed through the skin in harmful amounts. Overexposure may cause damage to any of the following organs/systems: blood, kidneys, liver. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

Glycols, polyethylene polypropylene, monobutyl ether
Contact may cause skin irritation with discomfort or rash.

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.

Hydrogen peroxide
The following medical conditions may be aggravated by exposure: asthma, dermatitis, respiratory disease. Ingestion may cause any of the following: aspiration leading to lung damage.. Skin contact may cause any of the following: severe redness, chemical burns. Vapor exposure may cause any of the following eye effects: conjunctivitis, burns, corneal injury, permanent

eye injury. If absorbed through the skin, may be: moderately toxic. Ingestion may cause severe irritation or damage to any of the following: gastrointestinal system, stomach, mucous membranes. Inhalation may cause any of the following: respiratory tract irritation, pulmonary edema.

Isophorone diisocyanate
Overexposure may cause damage to any of the following organs/systems: lungs, skin. The following medical conditions may be aggravated by overexposure: asthma, eczema, skin disorders, respiratory disorders.

Isophorone diisocyanate homopolymer
May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated and prolonged overexposure may cause delayed effects involving the respiratory system. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Overexposure may cause damage to any of the following organs/systems: lungs, skin. The following medical conditions may be aggravated by overexposure: asthma, eye disorders, eczema, skin disorders, respiratory disorders.

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

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

Methyl alcohol
Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, kidneys, liver, skin. Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ingestion may cause any of the following: blindness. Eye contact may cause any of the following: conjunctivitis, mild irritation, corneal opacity.

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 ethyl ketone peroxide
Recurrent overexposure may result in liver and kidney injury. Corrosive If ingested, may be: fatal. Eye contact may cause any of the following: permanent eye injury, blindness. Inhalation may cause any of the following: respiratory tract irritation. Skin or eye contact may cause any of the following: severe irritation, burns.

Methyl isoamyl ketone
Extremely high oral doses in laboratory animals have shown weight changes in various organs such as the liver, kidney and adrenal gland. In addition liver injury was observed.

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.

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

N-hexane
May cause abnormal kidney function. Can be absorbed through the skin in harmful amounts. N-hexane can produce peripheral polyneuropathy, a progressive disorder of the nervous system, such as muscular weakness and a loss of feeling in the extremities. With repeated high exposure, effects may become irreversible. Harmful if inhaled. Harmful or fatal if swallowed.

Naphthalene
Is an IARC, NTP or OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: kidneys, liver. Recurrent overexposure may result in liver and kidney injury.
WARNING: This chemical is known to the State of California to cause cancer.

Octamethylcyclotetrasiloxane
Can irritate or burn eyes.

P-toluenesulfonyl isocyanate
Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure. The following medical conditions may be aggravated by exposure: asthma, skin disorders, respiratory disorders. Potential skin sensitizer that may cause allergic reactions and contact dermatitis resulting in severe irritation, dryness, and cracking of the skin. Skin or eye contact may cause any of the following: irritation.

Phosphoric acid
Ingestion may cause any of the following: burns to mouth and stomach. Inhalation of vapor may cause any of the following: burns to respiratory system. Skin or eye contact may cause any of the following: burns.

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

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.

Stoddard solvent
The following medical conditions may be aggravated by exposure: asthma, skin disorders. Laboratory studies with rats have shown that petroleum

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

Substituted benzotriazole
The following medical conditions may be aggravated by exposure: jaundice, liver disease. Repeated or prolonged ingestion may cause any of the following: changes in the blood, liver effects.

T-butyl acetate
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, gastrointestinal system, liver, skin.

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.

Ultraviolet absorber
The following medical conditions may be aggravated by exposure: jaundice, liver disease, allergies, kidney disorders, skin disorders. Skin contact may cause any of the following: allergic skin rash, skin sensitization.

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.

Zirconium 2-ethylhexanoate
Repeated or prolonged skin contact may cause any of the following: redness, burns, cracking of the skin. The following medical conditions may be aggravated by overexposure: dermatitis, skin disorders. Ingestion of large quantities may cause any of the following: nausea, vomiting, diarrhea.

SECTION 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.

SECTION 5 - Fire-fighting measures

Flash Point (Closed Cup): See Section 11 for exact values

Flammable Limits: LFL 0 % UFL 36.5 %

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.

SECTION 6 - Accidental release measures

Steps to be taken in case material is released or spilled:
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 C02 to vent. After 48 hours, material may be sealed and disposed of properly.

SECTION 7 - Handling and storage

Precautions to be taken in handling and storing:
Observe label precautions. If combustible (flashpoint between 100-200 °F), keep away from heat, sparks and flame. If flammable (flashpoint less than 100 °F), also keep away from static discharges and other sources of ignition. If material is extremely flammable (flashpoint less than 20 °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 120 °F. If product is waterbased do not freeze.

Other precautions:
If material is a coating: do not sand, flame cut, braze or weld dry coating

without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation , and gloves.

SECTION 8 - Exposure controls / personal protection

Engineering controls and work practices:
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 protection
Neoprene gloves and coveralls are recommended.

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

SECTION 9 - Physical and chemical properties

Evaporation rate	Slower than Ether
Water solubility	NIL
Vapour Density	Heavier than Air
Approx. Boiling Range(°C)	46.1 - 385 °C
Approx. Freezing Range(°C)	-134.4 - -93.8 °C
Gallon weight (lbs/gal)	6.28 - 10.66
Specific Gravity	0.75 - 1.28
Percent Volatile by Volume	12.51 - 100.00
Percent Voliatile by Weight	5.00 - 100.00
Percent Solid by Volume	0.00 - 87.49
Percent Solid by Weight	0.00 - 95.00

SECTION 10 - Stability and reactivity

Stability:
Stable

Incompatibility (materials to avoid):
None reasonably foreseeable

Hazardous Decomposition Products:
CO, C02, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

Hazardous Polymerization:
Will not occur.

Sensitivity to Static Discharge:
For flammable materials (flashpoint less than 100 deg F) and combustibles (flashpoint between 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

SECTION 11 - Additional Information

441-00™ Aromatic hydrocarbon-A, Ethylbenzene(0.0 - 0.1%*@), Heptane, Isopropyl alcohol, Medium mineral spirits, N-hexane(1%*@), Naphthalene(0.1 - 0.6%*@), Toluene(13 - 13%*@)
GAL WT: 6.42 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.42 VOC LE: 6.4 VOC AP: 6.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-01™ 1,2,4-trimethyl benzene(0 - 1%*), Aromatic hydrocarbon-A, Ethylbenzene(0.0 - 0.2%*@), Ethylene glycol monobutyl ether(2%*), Isopropyl alcohol, Medium mineral spirits, Naphthalene(0.0 - 0.4%*@), Toluene(12 - 12%*@)
GAL WT: 6.68 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.68 VOC LE: 6.7 VOC AP: 6.7
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-02™ Aromatic hydrocarbon-A, Cyclohexane, methyl-, Heptane, Isopropyl alcohol, Medium mineral spirits, N-hexane(2%*@), Naphthalene(0.1 - 0.5%*@), Toluene(15 - 15%*@), Vm&p naphtha
GAL WT: 6.28 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.28 VOC LE: 6.3 VOC AP: 6.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-05™ 1,2,4-trimethyl benzene(0 - 2%*), Aromatic hydrocarbon-B, Ethylbenzene(0.1 - 0.4%*@), Heptane, Medium mineral spirits, Naphthalene(0.0 - 0.2%*@), Toluene(7 - 7%*@)
GAL WT: 6.49 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.49 VOC LE: 6.5 VOC AP: 6.5
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-20™ Acetone, Ethyl 3-ethoxy propionate, Ethylbenzene(0.2 - 0.6%*@), Heptane, N-hexane(1%*@), Toluene(22 - 22%*@), Xylene(2 - 2%*@)
GAL WT: 6.63 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.63 VOC LE: 6.7 VOC AP: 4.8
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

441-21™ Acetone, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylbenzene(0.5 - 1.3%*@), Heptane, N-hexane(1%*@), Toluene(16 - 16%*@), Xylene(4 - 5%*@)
GAL WT: 6.71 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.71 VOC LE: 6.8 VOC AP: 5.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

441-22™ 1,2,4-trimethyl benzene(2%*), Acetone, Aromatic hydrocarbon-B, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylene glycol monobutyl ether acetate(8%*@), Heptane, N-hexane(1%*@), Toluene(15%*@)
GAL WT: 6.91 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.91 VOC LE: 6.9 VOC AP: 6.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

441-24™ Butyl acetate, Ethyl 3-ethoxy propionate, Toluene(14%*@)
GAL WT: 7.40 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.40 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: NO

441-29™ Butyl acetate, Ethyl 3-ethoxy propionate, Ethylbenzene(0.5 - 1.3%*@), Ethylene glycol monobutyl ether acetate(12%*@), Methyl ethyl ketone, Toluene(9 - 9%*@), Vm&p naphtha, Xylene(4 - 5%*@)
GAL WT: 7.40 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.40 VOC LE: 7.4 VOC AP: 7.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-43™ Ethyl alcohol, N-butyl alcohol(80%*), Phosphoric acid, Water
GAL WT: 6.86 WT PCT SOLIDS: 2.23 VOL PCT SOLIDS: 0.93
SOLVENT DENSITY: 6.77 VOC LE: 6.7 VOC AP: 6.6
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-49™ Butanedioic acid, dimethyl ester, Dimethyl glutarate, Ethyl 3-ethoxy propionate, Ethylene glycol monobutyl ether acetate(20%*@)
GAL WT: 7.97 WT PCT SOLIDS: 0.01 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.97 VOC LE: 8.0 VOC AP: 8.0
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-60™ Acetone
GAL WT: 6.61 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.61 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-62™ Acetone, Butyl acetate, Methyl amyl ketone
GAL WT: 6.67 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.67 VOC LE: 7.1 VOC AP: 1.0
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-66™ 4-chlorobenzotrifluoride, Acetone
GAL WT: 8.75 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.75 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Below 20°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

441-72™ 2-ethylhexyl acetate, Acetone, Cyclohexane, methyl-, Heptane
GAL WT: 6.44 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.44 VOC LE: 6.4 VOC AP: 5.8
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

481-06™ Acetone, Butyl acetate, Ethylene glycol monobutyl ether(3%*), Heptane, Isopropyl alcohol, Propylene glycol monomethyl ether acetate, Toluene(22%*@)
GAL WT: 6.73 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.73 VOC LE: 6.8 VOC AP: 4.8
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

481-16™ Acetone, Ethylbenzene(0.4 - 1.0%*@), Methyl alcohol(20%*@), Toluene(30 - 30%*@), Vm&p naphtha, Xylene(3 - 4%*@)
GAL WT: 6.78 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.78 VOC LE: 6.9 VOC AP: 4.4
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

481-18™ Acetone, Butyl acetate, Ethylbenzene(0.6 - 1.6%*@), Methyl alcohol(3%*@), Toluene(16 - 17%*@), Vm&p naphtha, Xylene(5 - 6%*@)
GAL WT: 6.69 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.69 VOC LE: 6.8 VOC AP: 3.9
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

481-21™ Acetone, Vm&p naphtha
GAL WT: 6.60 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.60 VOC LE: 6.3 VOC AP: 0.2
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-08™ Aromatic hydrocarbon-B, Butyl acetate, Ethyl 3-ethoxy propionate, Isophorone diisocyanate(0.4% #*), Isophorone diisocyanate homopolymer
GAL WT: 8.16 WT PCT SOLIDS: 40.01 VOL PCT SOLIDS: 33.20
SOLVENT DENSITY: 7.33 VOC LE: 4.9 VOC AP: 4.9
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-11™ 1,2,4-trimethyl benzene(1%*), 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate, Ethylene glycol monobutyl ether acetate(3%*@), Propylene glycol monomethyl ether acetate, Toluene(8%*@)
GAL WT: 9.01 WT PCT SOLIDS: 75.36 VOL PCT SOLIDS: 70.38
SOLVENT DENSITY: 7.46 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-13™ Aromatic hydrocarbon-B, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylbenzene(0.3 - 0.7%*@), Glycols, polyethylene polypropylene, monobutyl ether, Isophorone diisocyanate(0.2% #*), Isophorone diisocyanate homopolymer, Toluene(9 - 9%*@), Xylene(2 - 3%*@)
GAL WT: 7.73 WT PCT SOLIDS: 20.86 VOL PCT SOLIDS: 16.64
SOLVENT DENSITY: 7.34 VOC LE: 6.1 VOC AP: 6.1
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-14™ Aromatic hydrocarbon-B, Butyl acetate, Ethylbenzene(0.3 - 0.8%*@), Glycols, polyethylene polypropylene, monobutyl ether, Isophorone diisocyanate(0.2% #*), Isophorone diisocyanate homopolymer, Toluene(9 - 9%*@), Xylene(2 - 3%*@)
GAL WT: 7.71 WT PCT SOLIDS: 21.33 VOL PCT SOLIDS: 17.02
SOLVENT DENSITY: 7.31 VOC LE: 6.1 VOC AP: 6.1
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-15™ 1,2,4-trimethyl benzene(2%*), 1,6-hexamethylene diisocyanate(0.2%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate
GAL WT: 9.35 WT PCT SOLIDS: 90.00 VOL PCT SOLIDS: 87.23
SOLVENT DENSITY: 7.29 VOC LE: 0.9 VOC AP: 0.9
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-18™ 2,4-pentanedione
GAL WT: 8.14 WT PCT SOLIDS: 0.20 VOL PCT SOLIDS: 0.19
SOLVENT DENSITY: 8.14 VOC LE: 8.1 VOC AP: 8.1
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-19™ Butyl acetate, N-butyl alcohol(27%*), Polyamide resin, Propylene glycol methyl ether, Toluene(12 - 12%*@), Vm&p naphtha
GAL WT: 7.28 WT PCT SOLIDS: 16.07 VOL PCT SOLIDS: 13.69
SOLVENT DENSITY: 7.08 VOC LE: 6.1 VOC AP: 6.1
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-22™ 1,6-hexamethylene diisocyanate(0.3%*@), Aliphatic polyisocyanate resin, Butyl acetate, Xylene(7%*@)
GAL WT: 8.04 WT PCT SOLIDS: 41.33 VOL PCT SOLIDS: 35.62
SOLVENT DENSITY: 7.33 VOC LE: 4.7 VOC AP: 4.7
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-23™ 1,6-hexamethylene diisocyanate(0.3%*@), Aliphatic polyisocyanate resin, Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Butyl acetate, Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester, Ethyl 3-ethoxy propionate, Substituted benzotriazole, Xylene(7%*@)
GAL WT: 8.21 WT PCT SOLIDS: 51.06 VOL PCT SOLIDS: 45.31
SOLVENT DENSITY: 7.41 VOC LE: 4.0 VOC AP: 4.0
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-30™ 1,2,4-trimethyl benzene(1%*), 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate
GAL WT: 8.60 WT PCT SOLIDS: 61.04 VOL PCT SOLIDS: 54.39
SOLVENT DENSITY: 7.33 VOC LE: 3.4 VOC AP: 3.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-35™ Acetone, Acrylic polymer-A, Ethylbenzene(1.2 - 3.1%*@), Methyl isoamyl ketone, N-butyl alcohol(2%*), T-butyl acetate, Xylene(9 - 11%*@)
GAL WT: 7.33 WT PCT SOLIDS: 38.25 VOL PCT SOLIDS: 33.50
SOLVENT DENSITY: 6.77 VOC LE: 3.1 VOC AP: 1.8
FLASH POINT: Below 20°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-36™ 1,2,4-trimethyl benzene(2%*), 1,6-hexamethylene diisocyanate(0.2%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate
GAL WT: 9.24 WT PCT SOLIDS: 86.10 VOL PCT SOLIDS: 82.47
SOLVENT DENSITY: 7.31 VOC LE: 1.3 VOC AP: 1.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-37™ 1,6-hexamethylene diisocyanate(0.5%*@), Aliphatic polyisocyanate resin, Butyl acetate, Ethylbenzene(1.3 - 3.1%*@), Xylene(9 - 11%*@)
GAL WT: 8.84 WT PCT SOLIDS: 75.00 VOL PCT SOLIDS: 69.61
SOLVENT DENSITY: 7.28 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: 73°F to below 100°F H: 3 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-38™ 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Methyl isobutyl ketone(26%*@)
GAL WT: 8.70 WT PCT SOLIDS: 74.12 VOL PCT SOLIDS: 66.07
SOLVENT DENSITY: 6.62 VOC LE: 2.3 VOC AP: 2.2
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-44™ Aromatic hydrocarbon-B, Butyl acetate, Isophorone diisocyanate(0.7% #*), Isophorone diisocyanate homopolymer
GAL WT: 8.87 WT PCT SOLIDS: 70.00 VOL PCT SOLIDS: 63.15
SOLVENT DENSITY: 7.22 VOC LE: 2.7 VOC AP: 2.7
FLASH POINT: 73°F to below 100°F H: 3 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-45™ Acrylic polymer-A, Ethylbenzene(2.6 - 6.6%*@), Methyl isoamyl ketone, N-butyl alcohol(4%*), T-butyl acetate, Xylene(20 - 24%*@)
GAL WT: 7.76 WT PCT SOLIDS: 54.73 VOL PCT SOLIDS: 50.73
SOLVENT DENSITY: 7.13 VOC LE: 3.5 VOC AP: 3.5
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-50™ 1,2,4-trimethyl benzene(5 - 5%*), 1,3,5-trimethyl benzene, Aromatic hydrocarbon-B, Butyl acetate, Isophorone diisocyanate(0.4% #*), Isophorone diisocyanate homopolymer, Methyl amyl ketone, Methyl isobutyl ketone(5%*@), Naphthalene(0.1 - 0.8%*@)
GAL WT: 7.96 WT PCT SOLIDS: 39.07 VOL PCT SOLIDS: 31.62
SOLVENT DENSITY: 7.08 VOC LE: 4.9 VOC AP: 4.9
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-52™ 1,2,4-trimethyl benzene(1%*), 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate, Ethylene glycol monobutyl ether acetate(3%*@), Propylene glycol monomethyl ether acetate, Toluene(8%*@)
GAL WT: 9.01 WT PCT SOLIDS: 75.36 VOL PCT SOLIDS: 70.38
SOLVENT DENSITY: 7.46 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-54™ 2,4-pentanedione, Dibutyl tin dilaurate
GAL WT: 8.14 WT PCT SOLIDS: 1.00 VOL PCT SOLIDS: 0.93
SOLVENT DENSITY: 8.13 VOC LE: 8.1 VOC AP: 8.1
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-56™ 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Butyl acetate, Isophorone diisocyanate(0.2% #*), Isophorone diisocyanate homopolymer
GAL WT: 9.33 WT PCT SOLIDS: 90.32 VOL PCT SOLIDS: 87.49
SOLVENT DENSITY: 7.22 VOC LE: 0.9 VOC AP: 0.9
FLASH POINT: 73°F to below 100°F H: 3 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-65™ Aromatic hydrocarbon-B, Butyl acetate, Isophorone diisocyanate(0.5% #*), Isophorone diisocyanate homopolymer, Methyl isobutyl ketone(22%*@)
GAL WT: 8.27 WT PCT SOLIDS: 54.91 VOL PCT SOLIDS: 46.19
SOLVENT DENSITY: 6.92 VOC LE: 3.7 VOC AP: 3.7
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-75™ 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Ethylene glycol monobutyl ether acetate(25%*@)
GAL WT: 9.14 WT PCT SOLIDS: 75.40 VOL PCT SOLIDS: 71.40
SOLVENT DENSITY: 7.70 VOC LE: 2.2 VOC AP: 2.2
FLASH POINT: 100°F - 141°F H: 2 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-77™ 1,6-hexamethylene diisocyanate(0.2%*@), Aliphatic polyisocyanate resin, Aromatic hydrocarbon-A, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylbenzene(0.6 - 1.4%*@), Naphthalene(0.0 - 0.2%*@), P-toluenesulfonyl isocyanate(0.1%), Xylene(4 - 5%*@)
GAL WT: 8.18 WT PCT SOLIDS: 34.15 VOL PCT SOLIDS: 29.30
SOLVENT DENSITY: 7.59 VOC LE: 5.4 VOC AP: 5.4
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-78™ Aliphatic polyisocyanate resin, Butyl acetate, Methyl isobutyl ketone(37%*@), N-pentyl propionate, Propylene glycol monomethyl ether acetate
GAL WT: 7.94 WT PCT SOLIDS: 42.17 VOL PCT SOLIDS: 34.53
SOLVENT DENSITY: 7.02 VOC LE: 4.6 VOC AP: 4.6
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-79™ 1,2,4-trimethyl benzene(11%*), 1,3,5-trimethyl benzene, Aliphatic polyisocyanate resin, Aromatic hydrocarbon-B, Benzene, propyl-, Butyl acetate, Ethyl 3-ethoxy propionate, Ethylene glycol monobutyl ether acetate(6%*@), P-toluenesulfonyl isocyanate(0.1%)
GAL WT: 8.35 WT PCT SOLIDS: 44.11 VOL PCT SOLIDS: 37.96

SOLVENT DENSITY: 7.45 VOC LE: 4.7 VOC AP: 4.7
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-83™ Acrylic polymer-B, Butyl acetate, Methyl amyl ketone, Propylene glycol monomethyl ether acetate
GAL WT: 7.81 WT PCT SOLIDS: 24.17 VOL PCT SOLIDS: 21.36
SOLVENT DENSITY: 7.64 VOC LE: 5.9 VOC AP: 5.9
FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 0 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-84™ 1,6-hexamethylene diisocyanate(0.1%*@), Aliphatic polyisocyanate resin, Ethylbenzene(0.7 - 1.8%*@), Methyl acetate, Methyl isobutyl ketone(11%*@), Xylene(5 - 6%*@)
GAL WT: 8.59 WT PCT SOLIDS: 58.00 VOL PCT SOLIDS: 51.01
SOLVENT DENSITY: 7.36 VOC LE: 2.1 VOC AP: 1.5
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-85™ 4-chlorobenzotrifluoride, Aliphatic polyisocyanate resin, Butyl acetate, Isophorone diisocyanate(0.2% #*), Isophorone diisocyanate homopolymer, Methyl amyl ketone, N-pentyl propionate
GAL WT: 9.34 WT PCT SOLIDS: 58.01 VOL PCT SOLIDS: 55.93
SOLVENT DENSITY: 8.90 VOC LE: 2.2 VOC AP: 1.8
FLASH POINT: 73°F to below 100°F H: 3 F: 3 R: 1 OSHA STORAGE: IC
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-87™ Aliphatic polyisocyanate resin, Butyl acetate, Ethyl acetate, Ethylbenzene(3.0 - 7.6%*@), Methyl ethyl ketone, P-toluenesulfonyl isocyanate(0.1%), Toluene(7 - 7%*@), Xylene(23 - 27%*@)
GAL WT: 8.01 WT PCT SOLIDS: 34.43 VOL PCT SOLIDS: 28.26
SOLVENT DENSITY: 7.32 VOC LE: 5.3 VOC AP: 5.3
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: YES

483-89™ 4-chlorobenzotrifluoride, Acrylic polymer-B, Butyl acetate, Methyl amyl ketone
GAL WT: 10.57 WT PCT SOLIDS: 13.36 VOL PCT SOLIDS: 15.99
SOLVENT DENSITY: 11.01 VOC LE: 1.6 VOC AP: 0.4
FLASH POINT: Below 20°F H: 1 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-90™ 1,6-hexamethylene diisocyanate(0.4%*@), 4-chlorobenzotrifluoride, Aliphatic polyisocyanate resin, Ethylbenzene(0.1 - 0.1%*@)
GAL WT: 10.63 WT PCT SOLIDS: 26.30 VOL PCT SOLIDS: 29.42
SOLVENT DENSITY: 11.10 VOC LE: 0.2 VOC AP: 0.1
FLASH POINT: 100°F - 141°F H: 3 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-91™ 1,6-hexamethylene diisocyanate(0.4%*@), 4-chlorobenzotrifluoride, Aliphatic polyisocyanate resin
GAL WT: 10.66 WT PCT SOLIDS: 26.19 VOL PCT SOLIDS: 29.38
SOLVENT DENSITY: 11.14 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: 100°F - 141°F H: 3 F: 2 R: 1 OSHA STORAGE: II
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-92™ 2,2,4-trimethyl-1,3-pentanediol diisobutyrate, Hydrogen peroxide(3.0% #), Methyl ethyl ketone, Methyl ethyl ketone peroxide, Water
GAL WT: 8.35 WT PCT SOLIDS: 95.00 VOL PCT SOLIDS: 53.13
SOLVENT DENSITY: 8.69 VOC LE: 0.1 VOC AP: 0.1
FLASH POINT: 141°F - 200°F H: 3 F: 2 R: 2 OSHA STORAGE: IIIA
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

483-99™ Acrylic polymer-A, Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate, Ethyl 3-ethoxy propionate, Ethyl acetate, Ethylbenzene(0.3%*@), Ethylene glycol monobutyl ether acetate(3%*@), Methyl amyl ketone, Methyl isobutyl ketone(3%*@), Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy phenyl, Polyester resin, Polyol resin, Toluene(3%*@), Ultraviolet absorber, Xylene(1%*@)
GAL WT: 8.41 WT PCT SOLIDS: 58.93 VOL PCT SOLIDS: 53.92
SOLVENT DENSITY: 7.47 VOC LE: 3.5 VOC AP: 3.5
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

489-12™ 1,2,4-trimethyl benzene(1 - 2%*), Aromatic hydrocarbon-A, Cobalt neodecanoate(1.2%*@), Manganese neodecanoate(2%@), Medium mineral spirits, N-butyl alcohol(10%*), Naphthalene(0.1 - 0.2%*@), Toluene(13%*@), Zirconium 2-ethylhexanoate
GAL WT: 6.81 WT PCT SOLIDS: 5.34 VOL PCT SOLIDS: 3.34
SOLVENT DENSITY: 6.67 VOC LE: 6.4 VOC AP: 6.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

489-22™ 1,10-phenanthroline, 2-ethylhexanoic acid, Cobalt neodecanoate(8.5%*@), Manganese neodecanoate(13%@), Medium mineral spirits, N-butyl alcohol(7%*), Stoddard solvent, Toluene(4%*@), Zirconium 2-ethylhexanoate
GAL WT: 7.79 WT PCT SOLIDS: 41.19 VOL PCT SOLIDS: 29.47
SOLVENT DENSITY: 6.49 VOC LE: 4.6 VOC AP: 4.6
FLASH POINT: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In Compliance PHOTO-CHEMICALLY REACTIVE: NO

495-01™ Butyl acetate, Methyl siloxane linear/cyclic, Octamethylcyclotetrasiloxane
GAL WT: 7.36 WT PCT SOLIDS: 2.50 VOL PCT SOLIDS: 2.30
SOLVENT DENSITY: 7.34 VOC LE: 7.2 VOC AP: 7.2
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
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 Government 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.
TM = Is a Trademark of E.I. DuPont de Nemours & Co.
***** = 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.
@ = Clean Air Act Hazardous Air Pollutant.
# = EPCRA Section 302 - Extremely Hazardous Substance.

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
MSDS Prepared by DuPont Performance Coatings Regulatory Affairs