DuPont Performance Coatings
Material Safety Data Sheet
Nason® Activators, Reducers, Solvents & Additives

SECTION 1 - Product and Company Identification

Manufacturer: E.I. du Pont de Nemours & Co.
Dupont 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
ACETONE	67-64-1	180.0@68.0°F	A 750.0ppm 15 min STEL A 500.0ppm O 1000.0ppm D 500.0ppm 8 & 12 hour TWA
ACRYLIC POLYMER-A	Not Avail	None	A None O None
ACRYLIC POLYMER-B	68153-83-3	None	A None O None
ALIPHATIC POLYISOCYANATE RESIN	28182-81-2	None	S 1.0mg/m^3 15 min STEL S 0.5mg/m^3 A None O None
AROMATIC HYDROCARBON-A	64742-94-5	10.0	D 100.0ppm A None O None
AROMATIC HYDROCARBON-B	64742-95-6	10.0@25.0°C	D 50.0ppm A None O None
BENZENE,1-CHLORO-4 (TRIFLUOROMETHYL)	98-56-6	7.6@25.0°C	D 20.0ppm 8 & 12 hour TWA A None O None
BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE	41556-26-7	None	A None O None
BUTYL ACETATE	123-86-4	10.0	A 200.0ppm 15 min STEL A 150.0ppm O 150.0ppm
CARBON DIOXIDE	124-38-9	838.0@70.0°F	A 5000.0ppm O 5000.0ppm
COBALT OCTOATE	136-52-7	80.0	O 100.0ug/m^3 Co D 20.0ug/m^3 8 & 12 hour TWA Co A None
CUMENE	98-82-8	3.7	A 50.0ppm O 50.0ppm Skin
CYCLOHEXANE, METHYL-	108-87-2	None	A 400.0ppm O 500.0ppm
DIBASIC ESTER	106-65-0	None	D 10.0mg/m^3 A None O None
DIBASIC ESTER	1119-40-0	0.2	D 10.0mg/m^3 A None O None
DIBUTYL TIN DILAURATE	77-58-7	0.2@160.0°C	O 0.1mg/m^3 Sn A 0.2mg/m^3 15 min STEL Skin Sn A 0.1mg/m^3 Skin Sn
ETHYL ACETATE	141-78-6	93.2@25.0°C	A 400.0ppm O 400.0ppm
ETHYL ALCOHOL	64-17-5	30.0	A 1000.0ppm

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
			O 1000.0ppm D 1000.0ppm 8 & 12 hour TWA
ETHYL 3-ETHOXY PROPIONATE	763-69-9	1.5@25.0°C	A None O None
ETHYLBENZENE	100-41-4	7.0	A 125.0ppm 15 min STEL A 100.0ppm O 100.0ppm D 25.0ppm 8 & 12 hour TWA
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	112-07-2	0.3	A 20.0ppm D 10.0ppm Skin O None
ETHYLENE GLYCOL MONOBUTYLETHER	111-76-2	0.6	A 20.0ppm D 5.0ppm Skin O 50.0ppm Skin
GLYCOLS, POLYETHYLENE POLYPROPYLENE, MONOBUTYL ETHER	9038-95-3	7.0	A None O None
HEAVY NAPHTHA	64742-48-9	1.0@68.0°F	A 100.0ppm D 100.0ppm O 500.0ppm
HEPTANE	142-82-5	45.0@66.0°F	A 500.0ppm 15 min STEL A 400.0ppm O 500.0ppm
HEXYL ACETATE ISOMERS	88230-35-7	1.4	A 50.0ppm O None
ISOPHORONE DIISOCYANATE	4098-71-9	None	A 5.0ppb Skin O None
ISOPHORONE DIISOCYANATE HOMOPOLYMER	53880-05-0	None	A None O None
ISOPROPYL ALCOHOL	67-63-0	33.0	A 500.0ppm 15 min STEL A 400.0ppm O 400.0ppm D 400.0ppm 8 & 12 hour TWA
MANGANESE NEODECANOATE	27253-32-3	None	O 5.0mg/m^3 CEIL Mn A 0.2mg/m^3 Mn
MEDIUM MINERAL SPIRITS	64742-88-7	2.0@68.0°F	D 50.0ppm 8 & 12 hour TWA A None O None
METHYL ACETATE	79-20-9	171.3@68.0°F	A 200.0ppm TWA O 200.0ppm TWA A 250.0ppm STEL O 250.0ppm STEL
METHYL ALCOHOL	67-56-1	100.0@21.2° C	O 200.0ppm A 250.0ppm 15 min STEL Skin A 200.0ppm Skin D 200.0ppm 8 & 12 hour TWA Skin
METHYL AMYL KETONE	110-43-0	2.8	A 50.0ppm O 100.0ppm
METHYL ETHYL KETONE	78-93-3	71.0@0.0	A 300.0ppm 15 min STEL D 300.0ppm 15 min TWA A 200.0ppm O 200.0ppm D 200.0ppm 8 & 12 hour TWA
METHYL ISOBUTYL KETONE	108-10-1	15.0	A 75.0ppm 15 min STEL A 50.0ppm O 100.0ppm
METHYL SILOXANE LINEAR/CYCLIC	70131-67-8	None	A None O None

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
MIXED OCTANES	Not Avail	None	A 300.0ppm O None
N-BUTYL ALCOHOL	71-36-3	4.2@68.0°F	D 50.0ppm 15 min TWA A 20.0ppm D 25.0ppm O 100.0ppm
NAPHTHALENE	91-20-3	1.0@52.6°C	O 10.0ppm D 0.1ppm 8 & 12 hour TWA A 15.0ppm CEIL Skin A 10.0ppm Skin
OCTAMETHYLCYCLOTETRA SILOXANE	556-67-2	None	A None O None
PETROLEUM NAPHTHA	64742-89-8	51.3	O 400.0ppm 15 min STEL D 100.0ppm A 300.0ppm O 300.0ppm
PHOSPHORIC ACID	7664-38-2	None	A 3.0mg/m^3 15 min STEL O 3.0mg/m^3 15 min STEL A 1.0mg/m^3 O 1.0mg/m^3 D 1.0mg/m^3 8 & 12 hour TWA
POLYAMIDE RESIN	68410-23-1	None	A None O None
POLYESTER RESIN	68604-67-1	None	A None O None
POLYKETIMINE	Not Avail	None	A None O None
POLYOL RESIN	Not Avail	None	A None O None
PROPYLENE GLYCOL METHYL ETHER	107-98-2	11.2@77.0°F	A 150.0ppm 15 min STEL A 100.0ppm
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	3.7	D 10.0ppm 8 & 12 hour TWA A None O None
SUBSTITUTED BENZOTRIAZOLE	25973-55-1	None	A None O None
TOLUENE	108-88-3	22.0	O 300.0ppm CEIL O 500.0ppm 10 min TWA O 200.0ppm D 50.0ppm 8 & 12 hour TWA A 50.0ppm Skin
ULTRAVIOLET ABSORBER	Not Avail	7.0@25.0°C	A None O None
VM&P NAPHTHA	8032-32-4	17.9@68.0°F	D 100.0ppm A 300.0ppm O None
WATER	7732-18-5	23.6	A None O None
XYLENE	1330-20-7	9.0@25.0°C	A 150.0ppm 15 min STEL D 150.0ppm 15 min STEL A 100.0ppm O 100.0ppm D 100.0ppm 8 & 12 hour TWA
ZIRCONIUM 2-ETHYLHEXANOATE	22464-99-9	None	A 10.0mg/m^3 15 min STEL Zr A 5.0mg/m^3 Zr O 5.0mg/m^3 Zr
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 25.0ppm

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
			O 25.0ppm
1,3,5-TRIMETHYL BENZENE	108-67-8	None	A 25.0ppm O None
1,6-HEXAMETHYLENE DIISOCYANATE	822-06-0	0.0@25.0°C	A 5.0ppb 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
2,2,4-TRIMETHYLPENTANE	540-84-1	None	A 300.0ppm O 500.0ppm
2,4-PENTANEDIONE	123-54-6	6.8	D 5.0ppm 8 & 12 hour TWA A None O None

*A=ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified. Vapor pressure @25°C unless otherwise noted.

SECTION 3 - Hazards Information

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:

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.

ACRYLIC POLYMER-A

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

BENZENE,1-CHLORO-4 (TRIFLUOROMETHYL)

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.

BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) 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 OCTOATE

Is an IARC, NTP or OSHA carcinogen. Skin contact may cause any of the following: dermatitis irritation skin sensitization. Inhalation may cause any of the following: sensitization. DuPont has classified this as: a possible human carcinogen.

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.

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.

ETHYLENE GLYCOL MONOBUTYLETHER
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. DuPont has classified this as: not likely to be a human carcinogen.

GLYCOLS, POLYETHYLENE POLYPROPYLENE, MONOBUTYL ETHER
Contact may cause skin irritation with discomfort or rash.

HEAVY NAPHTHA
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.

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.

HEXYL ACETATE ISOMERS
May cause any of the following central nervous system effects: dizziness, headache.

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 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.

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.

OCTAMETHYLCYCLOTETRA SILOXANE

Contact may cause skin irritation with discomfort or rash. Can irritate or burn eyes.

PETROLEUM NAPHTHA

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.

PHOSPHORIC ACID

Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns.

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.

SUBSTITUTED BENZOTRIAZOLE

Repeated or prolonged ingestion may cause any of the following: changes in the blood, liver effects.

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.

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-ETHYLHEXANOIC ACID

May cause eye, skin and upper respiratory tract 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 100ppm. The odor is disagreeable at a few ppm. Skin or eye contact may cause any of the following: irritation.

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:
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 - Firefighting Measures

Flash Point (Closed Cup) See Section 11 for exact values.
Flammable limits LFL 0.0 % 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 & 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 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. 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.

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 water based, do not freeze.

Other precautions:
If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved respirator or appropriate ventilation, and gloves.

SECTION 8 - Exposure Controls or Personal Protection

Engineering controls and work practices:

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

Respiratory:
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 manufacturers 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 clothing:
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
Solubility in water	NIL
Vapor Density	Heavier than air
Approx. boiling range (°C)	No Data Available
Approx. freezing range (°C)	-133 - -93 ° (C)
Gallon weight (lbs/gal)	6.28 - 10.57
Specific gravity	0.75 - 1.27
Percent volatile by volume	12.51 - 100.00
Percent volatile by weight	9.68 - 100.00
Percent solids by volume	0.00 - 87.49
Percent solids by weight	0.00 - 90.32

SECTION 10 - Stability and Reactivity

Stability: Stable
Incompatibility (materials to avoid): water, alcohols, amines
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°F) and combustibles (flashpoint between 100-200°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: Not Applicable

SECTION 11 - Additional Information

PRODUCT CODE **INGREDIENTS (Product Specific)**

441-00™ aromatic hydrocarbon-a, aromatic hydrocarbon-b(0-3%), ethylbenzene (0.0-0.1%*@), heptane, isopropyl alcohol, medium mineral spirits, mixed octanes, 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 PHOTOCHEMICALLY REACTIVE: NO

441-01™ aromatic hydrocarbon-a, aromatic hydrocarbon-b(0-5%), ethylbenzene (0.0-0.2%*@), ethylene glycol monobutylether(2%*@), isopropyl alcohol, medium mineral spirits, naphthalene(0.0-0.4%*@), toluene(12-12%*@), 1,2,4-trimethyl benzene(0-1%*)
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 PHOTOCHEMICALLY REACTIVE: NO

441-02™ aromatic hydrocarbon-a, cyclohexane, methyl-, heptane (41-41%), isopropyl alcohol, medium mineral spirits, mixed octanes, naphthalene(0.1-0.5%*@), toluene(15-15 %*@), vm&p naphtha, 2,2,4-trimethylpentane(0-1%@)
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 PHOTOCHEMICALLY REACTIVE: NO

441-05™ aromatic hydrocarbon-b(0-6%), ethylbenzene(0.1-0.5%*@), medium mineral spirits, naphthalene(0.0-0.2%*@), toluene(12-12%*@), 1,2,4-trimethyl benzene(0-2%*), 1,3,5-trimethyl benzene(0-1%)
GAL WT: 6.63 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.63 VOC LE: 6.6 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 PHOTOCHEMICALLY REACTIVE: NO

441-20™ acetone, ethyl 3-ethoxy propionate, ethylbenzene(0.2-0.6 %*@), heptane, mixed octanes, 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 PHOTOCHEMICALLY REACTIVE: YES

441-21™ acetone, butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (0.5-1.3%*@), heptane, mixed octanes, toluene(16-16%*@), xylene(4-5%*@)
GAL WT: 6.72 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.72 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 PHOTOCHEMICALLY REACTIVE: YES

441-22™ acetone, aromatic hydrocarbon-b, butyl acetate, ethyl 3-ethoxy propionate, ethylene glycol monobutyl ether acetate(8%*@), heptane, mixed octanes, toluene(15 %*@), 1,2,4-trimethyl benzene(1-3%*)
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 PHOTOCHEMICALLY REACTIVE: YES

441-23™ butyl acetate, ethyl acetate, ethyl 3-ethoxy propionate, toluene (14%*@)
GAL WT: 7.47 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.47 VOC LE: 7.5 VOC AP: 7.5
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

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 PHOTOCHEMICALLY REACTIVE: NO

441-29™ butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene(0.5-1.3%*@), ethylene glycol monobutyl ether acetate(12%*@), methyl ethyl ketone (12%*@), 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 PHOTOCHEMICALLY 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 PHOTOCHEMICALLY REACTIVE: NO

441-45™ acetone, aromatic hydrocarbon-a, butyl acetate, ethyl 3-ethoxy propionate, naphthalene(0.1-0.5%*@), petroleum naphtha, toluene(2-5%*@)
GAL WT: 6.67 WT PCT SOLIDS: 0.52 VOL PCT SOLIDS: 0.40
SOLVENT DENSITY: 6.66 VOC LE: 6.7 VOC AP: 5.6
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-49™ dibasic ester, dibasic ester, 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 PHOTOCHEMICALLY REACTIVE: NO

441-55™ aromatic hydrocarbon-a, aromatic hydrocarbon-b, cumene(0-2%*@), methyl amyl ketone, methyl isobutyl ketone(12%*@), naphthalene (0.6-1.9%*@), xylene(0-1%*@), 1,2,4-trimethyl benzene(4-18%*)
GAL WT: 7.03 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.03 VOC LE: 7.0 VOC AP: 7.0
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

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 PHOTOCHEMICALLY 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 PHOTOCHEMICALLY REACTIVE: NO

441-66™ acetone, benzene,1-chloro-4 (trifluoromethyl)
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 PHOTOCHEMICALLY REACTIVE: NO

441-72™ acetone, cyclohexane, methyl-, heptane, mixed octanes, 2-ethylhexyl acetate
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 PHOTOCHEMICALLY REACTIVE: NO

481-06™ acetone, butyl acetate, ethylene glycol monobutylether(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 PHOTOCHEMICALLY REACTIVE: YES

481-16™ acetone, ethylbenzene(0.4-1.0%*@), methyl alcohol(20 %*@), toluene (30-30%*@), vm&p naphtha, xylene(3-4%*@)
GAL WT: 6.81 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.81 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 PHOTOCHEMICALLY REACTIVE: YES

481-18™ acetone, butyl acetate, ethylbenzene(0.6-1.6%*@), methyl alcohol (3%*@), toluene(16-17%*@), vm&p naphtha, xylene(5-6%*@), 2,2,4-trimethylpentane (0-1%@)
GAL WT: 6.70 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.70 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 PHOTOCHEMICALLY REACTIVE: YES

481-75™ aromatic hydrocarbon-b(0-1%), carbon dioxide, cyclohexane, methyl, ethylbenzene(0.1-0.1%*@), heptane(41-41 %), medium mineral spirits, mixed octanes, toluene(10-10 %*@), 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

483-08™ aromatic hydrocarbon-b, butyl acetate, ethyl 3-ethoxy propionate, isophorone diisocyanate(1%*#), 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 PHOTOCHEMICALLY REACTIVE: YES

483-11™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, ethylene glycol monobutyl ether acetate(3%*@), propylene glycol monomethyl ether acetate, toluene(8%*@), 1,2,4-trimethyl benzene(0-2%*), 1, 6-hexamethylene diisocyanate(0.1%*@)
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 PHOTOCHEMICALLY REACTIVE: YES

483-13™ aromatic hydrocarbon-b, butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene (0.5-0.7%*@), glycols, polyethylene polypropylene, monobutyl ether, isophorone diisocyanate (1%*#), isophorone diisocyanate homopolymer, toluene (9-9%*@), xylene(2-3%*@)
GAL WT: 7.73 WT PCT SOLIDS:20.78 VOL PCT SOLIDS:16.56
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 PHOTOCHEMICALLY REACTIVE: YES

483-14™ aromatic hydrocarbon-b, butyl acetate, ethylbenzene(0.5-0.7 %*@), glycols, polyethylene polypropylene, monobutylether , isophorone diisocyanate (1%*#), isophorone diisocyanate homopolymer, toluene(9-9%*@), xylene (3-3%*@)
GAL WT: 7.71 WT PCT SOLIDS:21.23 VOL PCT SOLIDS:16.93
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 PHOTOCHEMICALLY REACTIVE: YES

483-15™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, 1,2,4-trimethyl benzene(1-2%*), 1,6-hexamethylene diisocyanate (0.2%*@)
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 PHOTOCHEMICALLY 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 PHOTOCHEMICALLY 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 PHOTOCHEMICALLY REACTIVE: NO

483-22™ aliphatic polyisocyanate resin, butyl acetate, xylene (7%*@), 1,6-hexamethylene diisocyanate(0.3%*@)
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 PHOTOCHEMICALLY REACTIVE: YES

483-23™ aliphatic polyisocyanate resin, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, butyl acetate, ethyl 3ethoxy propionate , substituted benzotriazole, xylene (7%*@), 1,6-hexamethylene diisocyanate(0.3%*@)
GAL WT: 8.21 WT PCT SOLIDS:51.06 VOL PCT SOLIDS:45.31
SOLVENT DENSITY: 7.42 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 PHOTOCHEMICALLY REACTIVE: YES

483-30™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, 1,2,4-trimethyl benzene(0-2%*), 1,6-hexamethylene diisocyanate (0.1%*@)
GAL WT: 8.60 WT PCT SOLIDS:61.04 VOL PCT SOLIDS:54.39
SOLVENT DENSITY: 7.33 VOC LE: 3.4 VOC AP: 3.4
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-35™ acetone, ethylbenzene(4.0-5.5%*@), methyl isobutyl ketone (2%*@), n-butyl alcohol(4%*), polyketimine, xylene(20-22%*@)
GAL WT: 7.41 WT PCT SOLIDS:38.50 VOL PCT SOLIDS:33.50
SOLVENT DENSITY: 6.82 VOC LE: 3.5 VOC AP: 2.3
FLASH POINT: 20°F to below 73°F H: 2 F: 3 R: 0 OSHA STORAGE: IB
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-36™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, 1,2,4-trimethyl benzene(0-2%*), 1,6-hexamethylene diisocyanate (0.2%*@)
GAL WT: 9.24 WT PCT SOLIDS:86.10 VOL PCT SOLIDS:82.47
SOLVENT DENSITY: 7.30 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 PHOTOCHEMICALLY REACTIVE: YES

483-37™ aliphatic polyisocyanate resin, butyl acetate, ethylbenzene (3.0%*@), xylene(10%*@), 1,6-hexamethylene diisocyanate(0.5%*@)
GAL WT: 8.84 WT PCT SOLIDS:75.00 VOL PCT SOLIDS:69.58
SOLVENT DENSITY: 7.27 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 PHOTOCHEMICALLY REACTIVE: YES

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

483-44™ aromatic hydrocarbon-b, butyl acetate, isophorone diisocyanate (1%*#), 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: 20°F to below 73°F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-50™ aromatic hydrocarbon-a, aromatic hydrocarbon-b, butyl acetate, isophorone diisocyanate(1%*#), isophorone diisocyanate homopolymer , methyl amyl ketone, methyl isobutyl ketone(5%*@), naphthalene(0.1-0.8%*@), 1,2,4-trimethyl benzene(2-7%*)
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 PHOTOCHEMICALLY REACTIVE: YES

483-52™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, ethylene glycol monobutyl ether acetate(3%*@), propylene glycol monomethyl ether acetate, toluene(8%*@), 1,2,4-trimethyl benzene(0-2%*), 1,6-hexamethylene diisocyanate(0.1%*@)
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 PHOTOCHEMICALLY REACTIVE: YES

483-54™ dibutyl tin dilaurate, 2,4-pentanedione
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 PHOTOCHEMICALLY REACTIVE: NO

483-56™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, isophorone diisocyanate(1%*#), isophorone diisocyanate homopolymer, 1,6-hexamethylenediisocyanate (0.1%*@)
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 PHOTOCHEMICALLY REACTIVE: YES

483-65™ aromatic hydrocarbon-b, butyl acetate, isophorone diisocyanate (1%*#), 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 PHOTOCHEMICALLY REACTIVE: YES

483-75™ aliphatic polyisocyanate resin, ethylene glycol monobutyl ether acetate (25%*@), 1,6-hexamethylene diisocyanate(0.1%*@)
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 PHOTOCHEMICALLY REACTIVE: NO

483-77™ aliphatic polyisocyanate resin, aromatic hydrocarbon-a , butyl acetate, ethyl 3-ethoxy propionate, ethylbenzene(1.4%*@), naphthalene(0.0-0.2%*@), xylene(4%*@), 1,6-hexamethylene diisocyanate(0.2%*@)
GAL WT: 8.18 WT PCT SOLIDS:34.15 VOL PCT SOLIDS:29.29
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 PHOTOCHEMICALLY REACTIVE: YES

483-78™ aliphatic polyisocyanate resin, butyl acetate, hexyl acetate isomers, methyl isobutyl ketone(37%*@), propylene glycol monomethyl ether acetate
GAL WT: 7.96 WT PCT SOLIDS:42.17 VOL PCT SOLIDS:34.40
SOLVENT DENSITY: 7.02 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 PHOTOCHEMICALLY REACTIVE: YES

483-79™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b, butyl acetate, ethyl 3-ethoxy propionate, ethylene glycol monobutyl ether acetate (6%*@), 1,2,4-trimethyl benzene(3-15%*)
GAL WT: 8.36 WT PCT SOLIDS:44.11 VOL PCT SOLIDS:37.82
SOLVENT DENSITY: 7.45 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 PHOTOCHEMICALLY 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 PHOTOCHEMICALLY REACTIVE: NO

483-84™ aliphatic polyisocyanate resin, ethylbenzene(0.7-1.8 %*@), methyl acetate, methyl isobutyl ketone(11%*@), xylene(5-6%*@), 1,6-hexamethylene diisocyanate (0.1%*@)
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 PHOTOCHEMICALLY REACTIVE: YES

483-85™ aliphatic polyisocyanate resin, benzene,1-chloro-4 (trifluoromethyl), butyl acetate, hexyl acetate isomers, isophorone diisocyanate (1%*#), isophorone diisocyanate homopolymer, methyl amyl ketone
GAL WT: 9.34 WT PCT SOLIDS:58.00 VOL PCT SOLIDS:55.92
SOLVENT DENSITY: 8.91 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 PHOTOCHEMICALLY REACTIVE: NO

483-87™ aliphatic polyisocyanate resin, aromatic hydrocarbon-b , butyl acetate, ethyl acetate, ethylbenzene(3.0-7.6 %*@), methyl ethyl ketone (1%*@), toluene(6-7%*@), 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 PHOTOCHEMICALLY REACTIVE: YES

483-89™ acrylic polymer-b, benzene,1-chloro-4 (trifluoromethyl), 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 PHOTOCHEMICALLY REACTIVE: NO

483-99™ acrylic polymer-a, bis(1,2,2,6,6-pentamethyl-4-piperdinyl) sebacate, ethyl acetate, ethyl 3-ethoxy propionate, ethylbenzene(0.3%*@), ethylene glycol monobutyl ether acetate(3%*@), methyl amyl ketone, methyl isobutyl ketone(3%*@), polyester resin, polyol resin(9 %*), 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: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

489-12™ aromatic hydrocarbon-a, cobalt octoate(1.2%*@), manganese neodecanoate, medium mineral spirits, n-butyl alcohol(10%*), naphthalene (0.1-0.2%*@), toluene(13%*@), zirconium 2-ethylhexanoate, 1,2,4-trimethyl benzene (1-2 %*)
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 PHOTOCHEMICALLY REACTIVE: NO

489-22™ cobalt octoate(9.1%*@), heavy naphtha, manganese neodecanoate, medium mineral spirits, n-butyl alcohol(7 %*), toluene(4%*@), zirconium 2-ethylhexanoate, 1,10phenanthroline , 2-ethylhexanoic acid
GAL WT: 7.84 WT PCT SOLIDS:41.80 VOL PCT SOLIDS:30.13

SOLVENT DENSITY: 6.53 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 PHOTOCHEMICALLY REACTIVE: NO

495-01™ butyl acetate, methyl siloxane linear/cyclic, octamethylcyclotetra siloxane
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 PHOTOCHEMICALLY 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. du Pont 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
Prepared by: M. C. Gangi