481-16

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

SECTION 1 - Product and Company Identification

Manufacturer: E.I. DuPont 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 AND 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 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA
ACRYLIC POLYMER	68153-83-3	None	A None O None
ALIPHATIC POLYISOCYANATE RESIN	28182-81-2	4.9	S 1.0 mg/m3 15 min STEL S 0.5 mg/m3 A None O None
ALIPHATIC POLYMERIC ISOCYANATE	3779-63-3	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,1-CHLORO-4 (TRIFLUOROMETHYL)	98-56-6	5.3	S 25.0 ppm CEIL D 20.0 ppm 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
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 OCTOATE	136-52-7	80.0	A 50.0 ug/m3 Co O 50.0 ug/m3 Co D 20.0 ug/m3 8 & 12 hour TWA Co
CUMENE	98-82-8	3.7	A 50.0 ppm O 50.0 ppm Skin
CYCLOHEXANE	110-82-7	100.0@60.0 °C	A None O None
DIBUTYL TIN DILAURATE	77-58-7	0.2 @ 160.0 °C	A None O None
ETHYL ACETATE	141-78-6	76.0	A 400.0 ppm O 400.0 ppm
ETHYL ALCOHOL	64-17-5	30.0	A 1000.0 ppm O 1000.0 ppm D 1000.0 ppm 8 & 12 hour TWA
ETHYL 3-ETHOXY PROPIONATE	763-69-9	None	A None O None
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

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	112-07-2	0.3	D 10.0 ppm Skin A None O None
ETHYLENE GLYCOL MONOBUTYLETHER	111-76-2	0.6	D 5.0 ppm Skin A 20.0 ppm Skin O 50.0 ppm Skin
GLYCOLS, POLYETHYLENE POLYPROPYLENE, MONOBUTYL ETHER	9038-95-3	7.0	A None O None
HEAVY NAPHTHA	64742-48-9	2.0	D 100.0 ppm A None O None
HEXYL ACETATE ISOMERS	88230-35-7	0.7	A 50.0 ppm hexyl acetate O None
ISOPHORONE DIISOCYANATE HOMOPOLYMER	53880-05-0	None	A None O None
ISOPROPYL ALCOHOL	67-63-0	33.0	A 500.0 ppm 15 min STEL A 400.0 ppm O 400.0 ppm D 400.0 ppm 8 & 12 hour TWA
MANGANESE NEODECANOATE	27252-30-8	None	A 5.0 mg/m3 Mn O 5.0 mg/m3 Mn
MEDIUM MINERAL SPIRITS	64742-88-7	10.0	D 100.0 ppm A None O None
METHYL ALCOHOL	67-56-1	100.0	O 200.0 ppm A 250.0 ppm 15 min STEL Skin A 200.0 ppm Skin D 200.0 ppm 8 & 12 hour TWA Skin
METHYL AMYL KETONE	110-43-0	2.1	A 50.0 ppm O 100.0 ppm
METHYL ETHYL KETONE	78-93-3	71.0 @ 0.0	A 300.0 ppm 15 min STEL D 300.0 ppm 15 min TWA A 200.0 ppm O 200.0 ppm D 200.0 ppm 8 & 12 hour TWA
METHYL ISOBUTYL KETONE	108-10-1	15.0	A 75.0 ppm 15 min STEL A 50.0 ppm O 100.0 ppm
METHYL SILOXANE LINEAR/CYCLIC	70131-67-8	None	A None O None
MIXED DIBASIC ESTERS	Not Avail	0.2	A None O None
N-BUTYL ALCOHOL	71-36-3	4.2 @ 68.0 °F	D 50.0 ppm 15 min TWA D 25.0 ppm A 50.0 ppm CEIL Skin O 50.0 ppm CEIL Skin
NAPHTHALENE	91-20-3	1.0 @ 52.6 °C	A 10.0 ppm O 10.0 ppm
PETROLEUM NAPHTHA	64742-89-8	50.0 @ 25.0°C	O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm
PHOSPHORIC ACID	7664-38-2	None	A 3.0 mg/m3 15 min STEL O 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
POLYAMIDE RESIN	68410-23-1	None	A None O None
PROPYLENE GLYCOL METHYL ETHER	107-98-2	11.8 @ 25.0 °C	A 150.0 ppm 15 min STEL A 100.0 ppm O None
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	3.7	D 10.0 ppm

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS
			12 hr TWA A None O None
SUBSTITUTED BENZOTRIAZOLE	25973-55-1	None	A None O None
TOLUENE	108-88-3	22.0	O 300.0 ppm CEIL O 200.0 ppm D 50.0 ppm 8 & 12 hour TWA A 50.0 ppm Skin O 500.0 ppm 10 min TWA Maximum
TRIMER OF HEXAMETHYLENE DIISOCYANATE	3779-63-3	None	S 1.0 mg/m3 15 min STEL S 0.5 mg/m3 A None O None
VM&P NAPHTHA	64742-89-8	12.0	O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm
WATER	7732-18-5	23.6	A None O None
XYLENE	1330-20-7	9.0 @ 25.0 °C	D 150.0 ppm 15 min STEL O 100.0 ppm 8 hr PEL O 100.0 ppm D 100.0 ppm 8 & 12 hour TWA A 150.0 ppm 15 min STEL A4 Carcinogen
ZIRCONIUM 2-ETHYLHEXANOATE	22464-99-9	None	A None O None
1, 6 HEXAMETHYLENE DIISOCYANATE	822-06-0	0.0 @ 25.0 °C	A 5.0 ppb O None
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
2-ETHYLHEXANOIC ACID	149-57-5	None	A None
			O None
2,4-PENTANEDIONE	123-54-6	7.0	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
May cause irritation of the mucous membranes. The following medical conditions may be aggravated by exposure: respiratory system skin Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Overexposure may cause damage to any of the following organs/systems: blood eyes kidneys liver respiratory system skin Aspiration may occur during swallowing or vomiting, resulting in lung damage. Material may be harmful or fatal if swallowed. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

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. Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

ALIPHATIC POLYMERIC 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. Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

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

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-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. May cause eye irritation with discomfort, tearing, or blurred vision. 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

Contact may cause skin irritation with discomfort or rash.

DIBUTYL TIN DILAURATE

Contact may cause skin burns. Causes eye corrosion and permanent injury. Can be absorbed through the skin in harmful amounts.

ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

ETHYL 3-ETHOXY PROPIONATE

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen. Individuals with preexisting diseases of the central nervous system, lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures. 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

Can be absorbed through the skin in harmful amounts. 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.

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.

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 exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

ISOPROPYL ALCOHOL

The following medical conditions may be aggravated by exposure: Dermatitis Respiratory Disease Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact may cause skin irritation with discomfort or rash. Can be absorbed through the skin in harmful amounts. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights. Aspiration may occur during swallowing or vomiting, resulting in lung damage. May cause central nervous system depression with headache, stupor, uncoordinated or strange behavior, or unconsciousness. Irritating to the mouth, throat and stomach. May cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, coughing and possibly accompanied by chest pain. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness. Swallowing significant amounts of substance could cause serious injury, even death.

MEDIUM MINERAL SPIRITS

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 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

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

May cause eye irritation with discomfort, tearing, or blurred vision. May cause moderate eye burning. Recurrent overexposure may result in liver and kidney injury. May cause irritation of the upper respiratory passages.

TOLUENE

Chromosomal changes in the circulating blood of exposed workers have been reported. The significance of these reports is unclear because of exposure to other substances. 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. May cause eye irritation with discomfort, tearing, or blurred vision. 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. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Material may be harmful or fatal if swallowed. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

TRIMER OF 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. Repeated exposure may cause allergic skin rash, itching, swelling. May cause eye irritation with discomfort, tearing, or blurred vision. Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

VM&P 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.

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 Can be absorbed through the skin in harmful amounts. Can irritate or burn eyes. 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. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Material may be harmful or fatal if swallowed. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

1, 6 HEXAMETHYLENE DIISOCYANATE

Repeated overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough or permanent lung sensitization. Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

1,10-PHENANTHROLINE

May cause eye irritation with discomfort, tearing, or blurred vision. Can be absorbed through the skin in harmful amounts.

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 100 ppm. The odor is disagreeable at a few ppm. Ingestion may result in gastric disturbances. Liquid or vapor causes irritation, experienced as stinging, excess blinking and tear production, with excess redness and swelling of the conjuctiva.

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 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 respirator or appropriate ventilation.

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 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 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)	-17 - 0 °(C)
Approx. freezing range (°C)	-94 - -93 °(C)
Gallon weight (lbs/gal)	6.27 - 9.35
Specific gravity	0.75 - 1.12
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 Section 2.
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, Isopropyl Alcohol, Medium Mineral Spirits, Petroleum Naphtha, Toluene(10-12%*@), 1,2,4-Trimethyl Benzene(0-2%*)
GAL WT: 6.37 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00 SOLVENT DENSITY: 6.37 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, Ethylene Glycol Monobutylether(2%*@), Isopropyl Alcohol, Medium Mineral Spirits, Toluene(12%*@), 1,2,4-Trimethyl Benzene(1-3%*)
GAL WT: 6.59 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.59 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

441-02 Aromatic Hydrocarbon-A, Cydohexane(0-1%*), Isopropyl Alcohol, Medium Mineral Spirits, Petroleum Naphtha, Toluene(9-13%*@), VM&P Naphtha
GAL WT: 6.27 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.27 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 Ethylbenzene(0.2%*@), Medium Mineral Spirits, Toluene(12%*@), 1,2,4-Trimethyl Benzene(1-3%*)
GAL WT: 6.52 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.52 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 PHOTOCHEMICALLY REACTIVE: NO

441-20 Acetone, Ethyl 3-Ethoxy Propionate, Ethylbenzene(0.4%*@), Petroleum Naphtha, Toluene(18-20%*@), Xylene(2-2%*@)
GAL WT: 6.62 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.62 VOC LE: 6.6 VOC AP: 4.8
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-21 Acetone, Butyl Acetate, Ethyl 3-Ethoxy Propionate, Ethylbenzene (0.9%*@), Petroleum Naphtha, Toluene(13-15%*@), Xylene (4-5%*@)
GAL WT: 6.70 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.70 VOC LE: 6.7 VOC AP: 5.3
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-22 Acetone, Aromatic Hydrocarbon-B, Butyl Acetate, Ethyl 3-Ethoxy Propionate, Ethylene Glycol Monobutyl Ether Acetate(8 %*@), Petroleum Naphtha, Toluene(12-14%*@), 1,2,4-Trimethyl Benzene(1-3%*)
GAL WT: 6.90 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.90 VOC LE: 6.9 VOC AP: 6.3
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-23 Butyl Acetate, Ethyl Acetate, Ethyl 3-Ethoxy Propionate, Toluene(14%*@)
GAL WT: 7.45 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.45 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(1.0 %*@), Ethylene Glycol Monobutyl Ether Acetate(12%*@), Methyl Ethyl Ketone(12%*@), Toluene(9%*@), VM&P Naphtha, Xylene (4-5%*@)
GAL WT: 7.39 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.39 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

441-43 Ethyl Alcohol, N-Butyl Alcohol(81%*), 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

441-44 Acetone, Dibutyl Tin Dilaurate(2%*), Ethyl 3-Ethoxy Propionate, Ethylbenzene(0.2-0.5%*@), Petroleum Naphtha, Toluene (16-18%*@), Xylene(2-2%*@)
GAL WT: 6.66 WT PCT SOLIDS: 1.99 VOL PCT SOLIDS: 1.52
SOLVENT DENSITY: 6.63 VOC LE: 6.5 VOC AP: 4.6
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-45 Acetone, Aromatic Hydrocarbon-A, Butyl Acetate, Ethyl 3-Ethoxy Propionate, 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 Butanedioic Acid, Dimethyl Ester, Ethyl 3-Ethoxy Propionate, Ethylene Glycol Monobutyl Ether Acetate(20%*@), Mixed Dibasic Esters
GAL WT: 7.93 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 7.93 VOC LE: 7.9 VOC AP: 7.9
FLASH POINT: 100 °F - 141 °F H: 2 F: 2 R: 0 OSHA STORAGE: II TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-55 Aromatic Hydrocarbon-A, Aromatic Hydrocarbon-B, Cumene(0-2 %*@), Methyl Amyl Ketone, Methyl Isobutyl Ketone(12%*@), Naphthalene(1-2%*@), 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: 6.59 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.59 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-62 Acetone, Butyl Acetate, Methyl Amyl Ketone
GAL WT: 6.66 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.66 VOC LE: 7.1 VOC AP: 1.0
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

441-66 Acetone, Benzene,1-Chloro-4 (Trifluoromethyl)
GAL WT: 8.74 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 8.74 VOC LE: 0.0 VOC AP: 0.0
FLASH POINT: Below 20 °F H: 2 F: 3 R: 1 OSHA STORAGE: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

481-06 Acetone, Butyl Acetate, Ethylene Glycol Monobutylether(3%*@), Isopropyl Alcohol, Petroleum Naphtha, Propylene Glycol Monomethyl Ether Acetate, Toluene(19-21%*@)
GAL WT: 6.72 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.72 VOC LE: 6.8 VOC AP: 4.8
FLASH POINT: 20 °F to below 73 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

481-16 Acetone, Ethylbenzene(0.7%*@), Methyl Alcohol(40%*@), Toluene(30%*@), VM&P Naphtha, Xylene(3-4%*@)
GAL WT: 6.75 WT PCT SOLIDS: 0.00 VOL PCT SOLIDS: 0.00
SOLVENT DENSITY: 6.75 VOC LE: 6.8 VOC AP: 5.7
FLASH POINT: Below 20 °F H: 2 F: 3 R: 0 OSHA STORAGE: IA TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-08 Aromatic Hydrocarbon-B, Butyl Acetate, Ethyl 3-Ethoxy Propionate, 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 Polymeric Isocyanate, Aromatic Hydrocarbon-B, Butyl Acetate, Ethylene Glycol Monobutyl Ether Acetate(3%*@), Propylene Glycol Monomethyl Ether Acetate, Toluene(8%*@), 1, 6 Hexamethylene Diisocyanate(0.2%*@), 1,2,4-Trimethyl Benzene(0-2%*)
GAL WT: 9.01 WT PCT SOLIDS:75.36 VOL PCT SOLIDS:70.34
SOLVENT DENSITY: 7.47 VOC LE: 2.2 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 PHOTOCHEMICALLY REACTIVE: YES

483-13 Aromatic Hydrocarbon-B, Butyl Acetate, Ethyl 3-Ethoxy Propionate, Ethylbenzene(0.6%*@), Glycols, Polyethylene Polypropylene, Monobutyl Ether, Isophorone Diisocyanate Homopolymer, Toluene(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: NO

483-14 Aromatic Hydrocarbon-B, Butyl Acetate, Ethylbenzene(0.6%*@), Glycols, Polyethylene Polypropylene, Monobutyl Ether, Isophorone Diisocyanate Homopolymer, Toluene(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: NO

483-15 Aliphatic Polymeric Isocyanate, Aromatic Hydrocarbon-B, Butyl Acetate, 1, 6 Hexamethylene Diisocyanate(0.2%*@), 1,2,- 4-Trimethyl Benzene(1-2%*)
GAL WT: 9.35 WT PCT SOLIDS:90.00 VOL PCT SOLIDS:87.18
SOLVENT DENSITY: 7.29 VOC LE: 0.9 VOC AP: 0.9
FLASH POINT: 100 °F - 141 °F H: 3 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-18 2,4-Pentanedione
GAL WT: 8.12 WT PCT SOLIDS: 0.20 VOL PCT SOLIDS: 0.19
SOLVENT DENSITY: 8.12 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%*@), 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: 0 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: NO**

483-23 Aliphatic Polyisocyanate Resin, Bis(1,2,2,6,6-Pentamethyl- 4-Piperdinyl) Sebacate, Butyl Acetate, Ethyl 3-Ethoxy Propionate, Substituted Benzotriazole, Xylene(7%*@), 1, 6 Hexamethylene Diisocyanate(0.3%*@)
GAL WT: 8.17 WT PCT SOLIDS:51.06 VOL PCT SOLIDS:45.55
SOLVENT DENSITY: 7.35 **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: NO**

483-30 Aliphatic Polymeric Isocyanate, Aromatic Hydrocarbon-B, Butyl Acetate, 1, 6 Hexamethylene Diisocyanate(0.1%*@), 1,2,- 4-Trimethyl Benzene(0-2%*)
GAL WT: 8.59 WT PCT SOLIDS:61.04 VOL PCT SOLIDS:54.36
SOLVENT DENSITY: 7.33 **VOC LE: 3.3 VOC AP: 3.3**
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-36 Aliphatic Polymeric Isocyanate, Aromatic Hydrocarbon-B, Butyl Acetate, 1, 6 Hexamethylene Diisocyanate(0.2%*@), 1,2,- 4-Trimethyl Benzene(0-2%*)
GAL WT: 9.24 WT PCT SOLIDS:86.10 VOL PCT SOLIDS:82.42
SOLVENT DENSITY: 7.30 **VOC LE: 1.3 VOC AP: 1.3**
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-37 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: NO**

483-38 Aliphatic Polyisocyanate Resin, Methyl Isobutyl Ketone(26%*@), 1, 6 Hexamethylene Diisocyanate(0.1%*@)
GAL WT: 8.68 WT PCT SOLIDS:74.12 VOL PCT SOLIDS:66.15
SOLVENT DENSITY: 6.64 **VOC LE: 2.2 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 **PHOTOCHEMICALLY REACTIVE: YES**

483-40 Aliphatic Polyisocyanate Resin, Butyl Acetate, Xylene(13%*@), 1, 6 Hexamethylene Diisocyanate(0.5%*@)
GAL WT: 8.84 WT PCT SOLIDS:75.00 VOL PCT SOLIDS:69.56
SOLVENT DENSITY: 7.26 **VOC LE: 2.2 VOC AP: 2.2**
FLASH POINT: 20 °F to below 73 °FH: 3 F: 3 R: 1 OSHA STORAGE: IA
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-44 Aromatic Hydrocarbon-B, Butyl Acetate, Isophorone Diisocyanate Homopolymer
GAL WT: 8.87 WT PCT SOLIDS:70.00 VOL PCT SOLIDS:63.13
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 Homopolymer, Methyl Amyl Ketone, Methyl Isobutyl Ketone(5%*@), 1,2,4-Trimethyl Benzene(2-8 %*)
GAL WT: 7.94 WT PCT SOLIDS:39.07 VOL PCT SOLIDS:31.56
SOLVENT DENSITY: 7.08 **VOC LE: 4.8 VOC AP: 4.8 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 Polymeric Isocyanate, Aromatic Hydrocarbon-B, Butyl Acetate, Ethylene Glycol Monobutyl Ether Acetate(3%*@), Propylene Glycol Monomethyl Ether Acetate, Toluene(8%*@), 1, 6 Hexamethylene Diisocyanate(0.2%*@), 1,2,4-Trimethyl Benzene(0-2%*)
GAL WT: 9.01 WT PCT SOLIDS:75.36 VOL PCT SOLIDS:70.34
SOLVENT DENSITY: 7.47 **VOC LE: 2.2 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 **PHOTOCHEMICALLY REACTIVE: YES**

483-54X Dibutyl Tin Dilaurate(1%*), 2,4-Pentanedione
GAL WT: 8.13 WT PCT SOLIDS: 1.00 VOL PCT SOLIDS: 0.93
SOLVENT DENSITY: 8.12 **VOC LE: 8.0 VOC AP: 8.0**
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 Aromatic Hydrocarbon-B, Butyl Acetate, Isophorone Diisocyanate Homopolymer, Trimer Of Hexamethylene Diisocyanate(68%*@), 1, 6 Hexamethylene Diisocyanate(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**

483-57 Aliphatic Polyisocyanate Resin, Aromatic Hydrocarbon-B, Butyl Acetate, Ethylene Glycol Monobutyl Ether Acetate(3%*@), Propylene Glycol Monomethyl Ether Acetate, Toluene(8%*@), 1, 6 Hexamethylene Diisocyanate(0.2%*@), 1,2,4-Trimethyl Benzene(0-2%*)
GAL WT: 9.06 WT PCT SOLIDS:75.36 VOL PCT SOLIDS:70.14
SOLVENT DENSITY: 7.47 **VOC LE: 2.2 VOC AP: 2.2**
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IA
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-65 Aromatic Hydrocarbon-B, Butyl Acetate, Isophorone Diisocyanate Homopolymer, Methyl Isobutyl Ketone(22%*@)
GAL WT: 8.27 WT PCT SOLIDS:54.91 VOL PCT SOLIDS:46.19
SOLVENT DENSITY: 6.93 **VOC LE: 3.7 VOC AP: 3.7**
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IA
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-66 Aliphatic Polyisocyanate Resin, Butyl Acetate, Xylene(13%*@), 1, 6 Hexamethylene Diisocyanate(0.5%*@)
GAL WT: 8.84 WT PCT SOLIDS:75.00 VOL PCT SOLIDS:69.56
SOLVENT DENSITY: 7.26 **VOC LE: 2.2 VOC AP: 2.2**
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IA
TSCA STATUS: In compliance **PHOTOCHEMICALLY REACTIVE: YES**

483-75 Aliphatic Polymeric Isocyanate, Ethylene Glycol Monobutyl Ether Acetate(25%*@), 1, 6 Hexamethylene Diisocyanate(0.2%*@)
GAL WT: 9.14 WT PCT SOLIDS:75.40 VOL PCT SOLIDS:71.40
SOLVENT DENSITY: 7.80 **VOC LE: 2.2 VOC AP: 2.2**
FLASH POINT: 100 °F - 141 °F H: 3 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%*@), Xylene(4%*@), 1, 6 Hexamethylene Diisocyanate(0.2%*@)
GAL WT: 8.16 WT PCT SOLIDS:34.15 VOL PCT SOLIDS:29.23
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: NO**

483-78 Aliphatic Polyisocyanate Resin, Hexyl Acetate Isomers, Methyl Isobutyl Ketone(38%*@), Propylene Glycol Monomethyl Ether Acetate
GAL WT: 7.95 WT PCT SOLIDS:42.01 VOL PCT SOLIDS:34.30
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, Cumene(0-2%*@), Ethyl 3-Ethoxy Proplonate, Ethylene Glycol Monobutyl Ether Acetate(6%*@), Xylene(0-1%*@), 1,2,4-Trimethyl Benzene(3-15%*)

GAL WT: 8.32 WT PCT SOLIDS: 43.94 VOL PCT SOLIDS: 37.57
SOLVENT DENSITY: 7.47 VOC LE: 4.7 VOC AP: 4.7
FLASH POINT: 100 °F - 141 °F H: 3 F: 2 R: 1 OSHA STORAGE: II TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

483-83 Acrylic Polymer, 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

483-87 Aliphatic Polyisocyanate Resin, Aromatic Hydrocarbon-B, Butyl Acetate, Ethyl Acetate, Ethylbenzene(5.5%*@), Methyl Ethyl Ketone(1%*@), Toluene(6%*@), Xylene(23-27%*@)

GAL WT: 7.99 WT PCT SOLIDS: 34.46 VOL PCT SOLIDS: 28.30
SOLVENT DENSITY: 7.31 VOC LE: 5.2 VOC AP: 5.2
FLASH POINT: 20 °F to below 73 °F H: 3 F: 3 R: 1 OSHA STORAGE: IB
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

489-12 Aromatic Hydrocarbon-A, Cobalt Octoate(1%*@), Manganese Neodecanoate, Medium Mineral Spirits, N-Butyl Alcohol(10%*), Toluene(13%*@), Zirconium 2-Ethylhexanoate, 1,2,4-Trimethyl Benzene(1-3%*)

GAL WT: 6.72 WT PCT SOLIDS: 5.34 VOL PCT SOLIDS: 3.30
SOLVENT DENSITY: 6.58 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

489-22X Cobalt Octoate(9%*@), Heavy Naphtha, Manganese Neodecanoate, Medium Mineral Spirits, N-Butyl Alcohol(7%*), Toluene(4%*@), Zirconium 2-Ethylhexanoate, 1,10-Phenanthroline, 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: IA
TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: NO

495-01 Butyl Acetate, Methyl Siloxane Linear/Cyclic

GAL WT: 7.36 WT PCT SOLIDS: 2.50 VOL PCT SOLIDS: 2.30
SOLVENT DENSITY: 7.35 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 Governmental Industrial Hygienists
IARC = International Agency for Research on Cancer
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration
PNOR = Particles Not Otherwise Regulated
PNOC = Particles Not Otherwise Classified
STEL = Short Term Exposure Limit
TWA = Time-Weighted Average
***** = 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: Emily L. Taylor