****** SECTION 1 - Product and Company Identification ******

Supplier: DuPont Performance Coatings Canada
408 Fairall Street
Ajax, ON, L1S 1R6

Manufacturer: DuPont Performance Coatings LLC
1007 Market Street, D-13111
Wilmington, DE, 19898

Telephone: Product Information: (800) 387-2122
Medical Emergency (24 hours): (800) 441-3637
Transportation Emergency (24 hours): (613) 996-6666(CANUTEC)

PRODUCT IDENTIFIER: Thinner - Fast Dry

PRODUCT CODE: 3608SC 110317

Product Use:
INDUSTRIAL SOLVENT
Prepared by: Regulatory Affairs

Chemical Family: Not Available

****** SECTION 2 - Composition, Information on Ingredients ******

CAS #	Ingredient	(%)	Exposure Limits**
67-64-1	ACETONE	15- 40	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA
67-56-1	METHYL ALCOHOL	3- 7	A 250.0 ppm 15 min STEL Skin A 200.0 ppm Skin O 200.0 ppm D 200.0 ppm 8 & 12 hour TWA Skin
108-88-3	TOLUENE	10- 30	A 20.0 ppm O 300.0 ppm

****** SECTION 2 - Composition, Information on Ingredients ******
Cont'd

				CEIL
			O	500.0 ppm
				10 min TWA
			O	200.0 ppm
			D	50.0 ppm
				8 & 12 hour TWA
				Skin
67-63-0	ISOPROPYL ALCOHOL	15- 40	A	None
			O	None
142-82-5	HEPTANE	15- 40	A	500.0 ppm
				15 min STEL
			A	400.0 ppm
			O	500.0 ppm
1330-20-7	XYLENE	0.1- 1.0	A	150.0 ppm
				15 min STEL
			A	100.0 ppm
			O	100.0 ppm
			D	150.0 ppm
				15 min STEL
			D	100.0 ppm
				8 & 12 hour TWA
64742-95-6	AROMATIC HYDROCARBON	3- 7	D	50.0 ppm
			A	None
			O	None
763-69-9	ETHYL 3-ETHOXY PROPIONATE	3- 7	A	None
			O	None
95-63-6	1,2,4-TRIMETHYL BENZENE	1- 5	A	25.0 ppm
			O	25.0 ppm
98-82-8	CUMENE	0.1- 1.0	A	50.0 ppm
			O	50.0 ppm
				Skin

** A = ACGIH, O = OSHA, D = Dupont, TWAEV = Ontario, S = Supplier
(For additional definition of terms, see section 16)
Limits are 8-hour TWA unless otherwise specified.

****** SECTION 3 - Hazards Information ******

Emergency Overview:
DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS AND SPRAY MIST HARMFUL IF INHALED. VAPORS MAY CAUSE FLASH FIRE. MAY CAUSE CENTRAL

****** SECTION 3 - Hazards Information ******
Cont'd

NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.
MAY BE HARMFUL OR FATAL IF SWALLOWED.

Potential Health Effects:
Inhalation:
May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Ingestion:
May result in gastrointestinal distress.
Skin or eye contact:
May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Other Potential Health Effects in addition to those listed above:

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

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.
Ingestion may cause any of the following: blindness
Eye contact may cause: Conjunctivitis mild irritation corneal opacity
Studies in laboratory animals have shown embryotoxic and developmental effects.
WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

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

****** SECTION 3 - Hazards Information ******
Cont'd

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.

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 th 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 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.

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 conciousness.
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

****** SECTION 3 - Hazards Information ******
Cont'd

significant increase of kidney damage or an increase in kidney or liver tumors.
Aspiration may occur during swallowing or vomiting, resulting in lung damage.

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: irritation dryness cracking of the skin

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

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

****** 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 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

****** SECTION 4 - First Aid Measures ******
Cont'd

physician.

****** SECTION 5 - Firefighting Measures ******

Flash Point (Method) Below -7 deg C Closed Cup
Approx. flammable limits LFL 0.9 % UFL 12.8 %
Auto ignition temperature 246.1 - 480.0 Deg C
Hazardous Combustion Products:
CO, C02, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.
Extinguishing media:
Universal aqueous film-forming foam, carbon dioxide, dry chemical.
Special 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:
Flammable liquid. Vapor/air mixture will burn when an ignition source is present.

****** SECTION 6 - Accidental Release Measures ******

Procedures for cleaning up spills or leaks:
Ventilate area. Remove sources of ignition. Prevent skin and eye contact and breathing of vapor.

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. Keep away from heat, sparks, flame, static discharge and other sources of ignition. VAPORS MAY IGNITE EXPLOSIVELY. Vapors may spread long distances. Prevent buildup of vapors. Extinguish all pilot lights and turn off heaters, non-explosion proof electrical equipment and other sources of ignition during and after use and until all vapors are gone. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.
OSHA/NFPA Storage Classification: IB
Other precautions:
If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation , and gloves.

****** SECTION 8 - Exposure Controls or Personal Protection ******

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

Personal Protective Equipment:
Recommended PPE:
Respiratory:
Do not breathe vapors or mists. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces, or in situations where continuous spray operations are typical, or if proper air-purifying respirator fit is not possible, wear a positive pressure, supplied-air respirator (NIOSH TC-19C). In all cases, follow respirator manufacturer s directions for respirator use. Do not permit anyone without protection in the painting area.
Protective 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
Vapor Pressure of principal solvent	247.00 hPa @ 68 Deg F
Solubility of solvent in water	NIL
Vapour density (principal solvent)	2.00
Approx. Boiling range (deg C)	55 - 170 DEG (C)
Approx. Freezing range (deg C)	-94 DEG (C)
Gallon weight (lbs/US gal)	6.57
Specific gravity	0.79
Percent volatile by volume	100.00
Percent volatile by weight	100.00
Percent solids by volume	0.00
Percent solids by weight	0.00
Odour	Characteristic Solvent Odour
Appearance	Liquid Thinner
Physical state	Liquid
pH (waterborne systems only)	Not Applicable
VOC* less exempt (g/l)	788.3
VOC* as packaged (g/l)	555.8

* VOC less exempt (theoretical) and VOC as packaged (theoretical) are based upon the VOC of the packaged material at the point of manufacture.

****** SECTION 10 - Stability and Reactivity ******

Stability:
Stable
Incompatibility (materials to avoid):
None reasonably foreseeable
Hazardous decomposition products:
CO, C02, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.
Hazardous polymerization:
Will not occur.
Sensitivity to static discharge:
Solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.
Sensitivity to mechanical impact: None Known

****** SECTION 11 - Toxicological Information ******

ACETONE					
Oral LD50	5800	mg/kg		Rat	RTECS
Dermal LD50	20	g/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	50	g/m3	8 h	Rat	RTECS
METHYL ALCOHOL					
Oral LD50	5628	mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	15800	mg/kg		Rabbit	RTECS
Inhalation LC50	64000	ppm	4 h	Rat	RTECS
TOLUENE					
Oral LD50	3000	mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	4000	mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	5300	ppm		Mouse	SUPPLIER MSDS
ISOPROPYL ALCOHOL					
Oral LD50	2000	mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	2000	mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	5000	ppm	8 h	Rat	SUPPLIER MSDS
Percutaneous LD50	13000	mg/kg		Rabbit	SUPPLIER MSDS
HEPTANE					
Oral LD50	5000	mg/kg		Mouse	MISCELLANEOUS
Dermal LD50	2000	mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	103000	mg/m3	4 h	Rat	SAX DANGEROUS PROP
Intravenous LD50	222	mg/kg		Mouse	SUPPLIER MSDS
XYLENE					
Oral LD50	4300	mg/kg		Rat	RTECS
Dermal LD50	1700	mg/kg		Rabbit	RTECS
Inhalation LC50	5000	ppm	4 h	Rat	RTECS
AROMATIC HYDROCARBON					
Oral LD50	5000	mg/kg		Rat	CCOHS
Dermal LD50	3160	mg/kg		Rat	CCOHS

****** SECTION 11 - Toxicological Information ******
Cont'd

Inhalation LD50	3670 ppm	4 h	Rat	SUPPLIER MSDS

ETHYL 3-ETHOXY PROPIONATE

Oral LD50	4 g/kg		Female Rat	SUPPLIER MSDS
Dermal LD50	5 ml/kg		Rat	SUPPLIER MSDS
Inhalation LC50	1000 ppm	6 h	Rat	SUPPLIER MSDS

1,2,4-TRIMETHYL BENZENE

Oral LD50	5000 mg/kg		Rat	RTECS
Inhalation LC50	18000 mg/m3	4 HR	Rat	RTECS

CUMENE

Oral LD50	1400 mg/kg		Rat	SUPPLIER MSDS
Dermal LD50	10578 mg/kg		Rabbit	SUPPLIER MSDS
Inhalation LC50	39 mg/l	4 h	Rat	SUPPLIER MSDS

For all other ingredients, no information is available.

Key:
- RTECHS - Registry of Toxic Effects of Chemical Substances
- CCOHS - Canadian Center for Occupational Health and Safety
- Patty's - Patty's Industrial Hygiene and Toxicology, 3rd Edition

****** SECTION 12 - Ecological Information ******

ACETONE

8300 mg/l	4 days	Bluegill Sunfish	FISH
5540 mg/l	4 days	Rainbow Trout	FISH
2100 mg/l	1 day	Mysid shrimp	
10 mg/l	2 days	Daphnia	INVERTEBRATES
5000 mg/l	1 day	Goldfish	FISH

METHYL ALCOHOL

28100 mg/l	4 days	Fathead Minnow	FISH

TOLUENE

60 ppm	4 days	Bluegill Sunfish	FISH
32 mg/l	4 days	Fathead Minnow	FISH
100 ppm	1 day	Water flea	INVERTEBRATES
60 ppm	4 days	Goldfish	FISH

ISOPROPYL ALCOHOL

83 mg/l		Fathead Minnow	FISH
7550 mg/l	2 days	Daphnia	INVERTEBRATES

HEPTANE

2990 ppm	1 days	Bluegill Sunfish	FISH
15 ppm	4 days	Rainbow Trout	FISH

****** SECTION 12 - Ecological Information ******
Cont'd

10 mg/l	24 h	Daphnia	INVERTEBRATES

XYLENE

22 mg/l	4 days	Bluegill Sunfish	FISH
21 mg/l	4 days	Fathead Minnow	FISH
10 mg/l	1 days	Water flea	INVERTEBRATES
10 mg/l	1 days	Daphnia	INVERTEBRATES
24 mg/l	4 days	Goldfish	FISH

AROMATIC HYDROCARBON

170 mg/l	24 h	Daphnia	INVERTEBRATES
10 mg/l	72 h	Algae	AQUATIC PLANTS
10 mg/l	96 h	zebra fish	FISH

ETHYL 3-ETHOXY PROPIONATE

65 micro l	4 days	Fathead Minnow	FISH
100 micro l	4 days	Daphnia	INVERTEBRATES

1,2,4-TRIMETHYL BENZENE

9 mg/l	96 h	Rainbow Trout	FISH
6 mg/l	48 h	Daphnia	INVERTEBRATES

CUMENE

3 mg/l	96 h	Rainbow Trout	FISH
1 mg/l	24 h	Daphnia	INVERTEBRATES
3 mg/l	72 h	Green Algae	AQUATIC PLANTS

****** SECTION 13 - Disposal Considerations ******

Provincial Waste Classification:
Check appropriate provincial and local waste disposal regulations for proper classifications.

Waste disposal method:
Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Use only approved waste management contractors. Do not incinerate in closed containers.

****** SECTION 14 - Transportation Information ******

TDG Shipping Name:
PAINT RELATED MATERIAL

Hazard Class:	3
UN/NA#	1263
Packing Group:	II

****** SECTION 15 - Regulatory Information ******

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

TSCA Status:
In compliance with TSCA Inventory requirements for commercial purposes.

DSL Status:
All components of the mixture are listed on the DSL.

OCI:
All components of the mixture are listed with the Ontario Inventory.

WHMIS Classification:

Class	B	Division 2			
Class	D	Division 1	Subdivision	A	
Class	D	Division 2	Subdivision	A	53
Class	D	Division 2	Subdivision	B	60

WHMIS symbols:
Flame
Skull and Crossbones

Photochemical Reactivity: Non-photochemically reactive

Other Regulatory Information:

CAS #	Ingredient	302	TPQ/RQ	EPCRA 311/312	313	CERCLA RQ(lbs)	HAP
67-64-1	ACETONE	N	NR	A,C,F	N	5000	N
67-56-1	METHYL ALCOHOL	N	NR	A,C,F	Y	5000	Y
108-88-3	TOLUENE	N	NR	A,C,F	Y	1000	Y
67-63-0	ISOPROPYL ALCOHOL	N	NR	A,C,F	N	NR	N
142-82-5	HEPTANE	N	NR	A,C,F	N	NR	N
1330-20-7	XYLENE	N	NR	A,C,F	Y	100	Y
64742-95-6	AROMATIC HYDROCARBON	N	NR	A,C,F	N	NR	N
763-69-9	ETHYL 3-ETHOXY PROPIONATE	N	NR	NA	N	NR	N
95-63-6	1,2,4-TRIMETHYL BENZENE	N	NR	A,C	Y	NR	N
98-82-8	CUMENE	N	NR	A,C,F	Y	NR	Y

Key:
EPCRA: Emergency Planning and Community Right-to-Know Act (aka Title III, SARA)
302: Extremely hazardous substances
311/312 Categories: F = Fire Hazard A = Acute Hazard
R = Reactivity Hazard C = Chronic Hazard
P = Pressure Related Hazard
313 Information: Section 313 Supplier Notification - The chemicals listed above with a 'Y' in the 313 column are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know act of 1986 and of 40 CFR 372.
CERCLA: Comprehensive Emergency Response, Compensation and

****** SECTION 15 - Regulatory Information ******
Cont'd

Liability Act of 1980.
HAP = Listed as a Clean Air Act Hazardous Air Pollutant
TPQ = Threshold planning quantity
RQ = Reportable quantity
NA = not available
NR = not regulated

****** SECTION 16 - Additional Information ******

HMIS Rating: H: 2 F: 3 R: 0
NFPA Rating: H: F: R:

Glossary of Terms:
ACGIH - American Conference of Governmental Industrial Hygienists
IARC - International Agency for Research on Cancer
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
STEL - Short term exposure limit
TWA - Time-weighted average
PNOR - Particles not otherwise regulated
PNOC - Particles not otherwise classified

Notice from DuPont Performance Coatings
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.

Approved by:
Technical Manager