****** 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 NAME: Aluminum Prefinishing System

PRODUCT CODE: 225 S 120625

Chemical Family: No Information Available

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

CAS #	Ingredient	Concentration/ Range (%)	Exposure Limits**	
7664-38-2	PHOSPHORIC ACID	16- 26	A	3.0 mg/m3 15 min STEL
			A	1.0 mg/m3
			O	1.0 mg/m3
			D	3.0 mg/m3 15 min TWA
			D	1.0 mg/m3 8 & 12 hour TWA
111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	14	A	20.0 ppm
			O	50.0 ppm Skin
			D	20.0 ppm 8 & 12 hour TWA
7732-18-5	WATER	60- 70	A	None
			O	None
9036-19-5	OCTYLPHENOXYPOLYETHOXY ETHANOL	1- 4	A	None
			O	None
7789-23-3	POTASSIUM FLUORIDE	1- 4	A	2.5 mg/m3 as fluorine
			O	None

OSHA HAZARDOUS? Yes

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

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

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

Emergency Overview:
WARNING! VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CASE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.

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:

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

ETHYLENE GLYCOL MONOBUTYL ETHER
Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow central nervous system eyes gastrointestinal system kidneys liver respiratory system skin
May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury.
If absorbed through the skin, may be: harmful

OCTYLPHENOXYPOLYETHOXY ETHANOL
Eye contact may cause any of the following: conjunctivitis severe irritation chemical burns

POTASSIUM FLUORIDE

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

Contact may cause skin burns.

NOTE:
If a chemical listed above is not identified as a carcinogen it is not an "IARC, NTP, or OSHA carcinogen".

****** 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 (Method)	Above 200 deg F			Closed Cup
Approx. flammable limits	LFL	1.1 %	UFL	10.6 %
Auto ignition temperature	224.0			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:
Combustible liquid. When heated above the flashpoint, emits vapors which, when mixed with air, will burn if an ignition source is present. Fine mist or sprays could ignite at temperatures below the flashpoint.

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

Procedures for cleaning up spills or leaks:
Ventilate area. If heated above the flashpoint, remove sources of ignition. Prevent skin and eye contact and breathing of vapor.

****** SECTION 6 - Accidental Release Measures ******
Cont'd

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. Close container after each use. If heated above its flash point, this must be handled as if it were a flammable liquid. Do not transfer contents to bottles or unlabeled containers. Wash thoroughly after handling and before eating or smoking. Do not freeze.

OSHA/NFPA Storage Classification: IIIB

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

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

****** SECTION 9 - Physical and Chemical Properties ******
Cont'd

Vapor Pressure of principal solvent	23.60 mm @ 20 Deg C
Solubility of solvent in water	NIL
Vapor density of principal solvent (Air = 1)	0.60
Approx. Boiling range	100 - 265 DEG (C)
Approx. Freezing range	-70 DEG (C)
Gallon weight (lbs/gal)	9.33
Specific gravity	1.12
Percent volatile by volume	84.25
Percent volatile by weight	73.66
Percent solids by volume	15.75
Percent solids by weight	26.34
Odor	Characteristic Paint Odor
Appearance	Semi-viscous liquid
Physical state	Liquid
pH (waterborne systems only)	Not Applicable
VOC* less exempt (lbs/gal)	3.9
VOC* as packaged (lbs/gal)	1.3

* 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:
If heated above the flash point, 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 ******

No Information Available

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

No Information Available

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

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. Do not incinerate in closed containers.

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

No Information Available

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

TSCA Status:
In compliance with TSCA Inventory requirements for commercial purposes.
DSL Status:
All components of the mixture are listed on the DSL.

Photochemical Reactivity: Non-photochemically reactive

Other Regulatory Information:

CAS #	Ingredient	302	TPQ/RQ	EPCRA 311/312	313	CERCLA RQ(lbs)	HAP
7664-38-2	PHOSPHORIC ACID	N	NR	N	N	5000	N
111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	N	NR	A,C,F	Y	NR	N
7732-18-5	WATER	N	NR	N	N	NR	N
9036-19-5	OCTYLPHENOXYPOLYETHOXY ETHANOL	N	NR	A,C	N	NR	N
7789-23-3	POTASSIUM FLUORIDE	N	NR	C	N	NR	N

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

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

NR = not regulated

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

HMIS Rating: H: 3 F: 1 R: 1

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

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

MSDS prepared by:
Performance Coatings Regulatory Affairs Consultant.