

**DuPont Performance Coatings**  
**MATERIAL SAFETY DATA SHEET**  
**Chromasystem™ A-19301S™ Clear Coat Blender Aerosol**

**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: **Chromasystem™ A-19301S™  
Clear Coat Blender Aerosol**

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section 10.

INGREDIENTS	CAS#	VAPOR PRESSURE	EXPOSURE LIMITS
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	3.8	O 100.0 ppm D 10.0 ppm 8 & 12 hour TWA A None O None
TOLUENE	108-88-3	22.0	O 300.0 ppm CEIL O 500.0 ppm 10 min TWA O 200.0 ppm D 50.0 ppm 8 & 12 hour TWA A 50.0 ppm Skin

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

INGREDIENTS	CAS#	VAPOR PRESSURE	EXPOSURE LIMITS
ACRYLIC POLYMER	Not Avail	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
ISOPROPYL ALCOHOL	67-63-0	48.0	A 500.0 ppm 15 min STEL A 400.0 ppm O 400.0 ppm D 400.0 ppm 8 & 12 hour TWA
LIQUIFIED COMPRESSED GAS	68476-85-7	None	A 1000.0 ppm O 1000.0 ppm
METHYL ETHYL KETONE	78-93-3	89.0@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	15.1	A 75.0 ppm 15 min STEL A 50.0 ppm

INGREDIENTS	CAS#	VAPOR PRESSURE	EXPOSURE LIMITS
XYLENE	1330-20-7	8.0@25.0°C	A 150.0 ppm 15 min STEL D 150.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 100.0 ppm 8 & 12 hour TWA

\*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. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

**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:**

**ETHYLBENZENE**

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



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June 2005

## 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.

## LIQUIFIED COMPRESSED GAS

May possibly cause modest initial irritation, followed in hours by severe shortness of breath, requiring prompt medical attention. May cause central nervous system effects such as temporary muscular weakness and loss of coordination. Contact may cause skin burns. Can irritate or burn eyes.

## 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.

## PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE

Recurrent overexposure may result in liver and kidney injury.

## 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.

## 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.

## 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 1.0 % UFL 13.1 %

### 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. 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. CONTENTS UNDER PRESSURE. Clean nozzle and cap container after each use. Do not puncture or incinerate (burn) container. Exposure to heat or prolonged exposure to sun may cause bursting.

### 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.

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## 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. 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
Solubility in water	NIL
Vapor Density	Heavier than air
Approx. boiling range (°C)	83 - 150 °C
Approx. freezing range (°C)	-92 - -34 °C
Gallon weight (lbs/gal)	7.05
Specific gravity	0.84
Percent volatile by volume	95.64
Percent volatile by weight	94.31
Percent solids by volume	4.37
Percent solids by weight	5.69

## SECTION 10 - Stability and Reactivity

**Stability:** Stable

**Incompatibility (materials to avoid):** None reasonably foreseeable

#### Hazardous decomposition products:

CO, CO<sub>2</sub>, 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)

**A-19301S™** acrylic polymer, ethylbenzene(1.8-4.4%\*<sup>@</sup>), isopropyl alcohol, liquified compressed gas, methyl ethyl ketone(1%\*<sup>@</sup>), methyl isobutyl ketone(15%\*<sup>@</sup>), propylene glycol monomethyl ether acetate, toluene(14-14%\*<sup>@</sup>), xylene(13-16%\*<sup>@</sup>)

**GAL WT: 7.05 WT PCT SOLIDS: 5.69 VOL PCT SOLIDS: 4.37**

**SOLVENT DENSITY: 6.95 VOC LE: 6.6 VOC AP: 6.6**

**FLASH POINT: Below 20°F H: 2 F: 3 R: 1 OSHA STORAGE: IB**

**TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES**

### Footnotes:

**TSCA in compliance** = In compliance with TSCA Inventory requirements for commercial purposes.

**ACGIH** = American Conference of Government Industrial Hygienists.

**IARC** = International agency for Research on Cancer.

**NTP** = National Toxicology Program.

**OSHA** = Occupational Safety and Health Administration.

**PNOR** = Particles Not Otherwise Regulated.

**PNOC** = Particles Not Otherwise Classified.

**STEL** = Short Term Exposure Limit.

**TWA** = Time Weighted Average.

**TM** = Is a Trademark of E.I. DuPont de Nemours & Co.

\* = Section 313 Supplier Notification: These chemicals are subject to the reporting requirements of Section 313 of the Emergency planning and Right-to-Know act of 1986 and of 40 CFR 372.

@ = Clean Air Act Hazardous Air Pollutant.

# = EPCRA Section 302 - Extremely Hazardous Substance.

### NOTICE:

The information on this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

### Product Manager - Refinish Sales

Prepared by: **M. C. Gangi**

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June 2005

