

DuPont Performance Coatings
MATERIAL SAFETY DATA SHEET
DuPont™ 2250S™ Premium High Flow Putty and
DuPont™ 2270S™ Flexible Putty

| SECTION 1 - Product and Company Identification | | | | INGREDIENTS | CAS# | VAPOR PRESSURE | EXPOSURE LIMITS |
|--|--|------------------------------|---|--|-------------|-----------------------|--|
| Manufacturer: | E.I. duPont de Nemours & Co. DuPont Performance Coatings Wilmington, DE, 19898 | | | | | | A 40.0 ppm 15 min STEL D 40.0 ppm 15 min STEL |
| Telephone: | Product Information: | (800) 441-7515 | | | | | A 20.0 ppm |
| | Medical Emergency: | (800) 441-3637 | | | | | O 100.0 ppm |
| | Transportation Emergency: | (800) 424-9300 (CHEMTREC) | | | | | D 20.0 ppm 8 & 12 hour TWA |
| Product: | DuPont™ 2250S™ Premium High Flow Putty and DuPont™ 2270S™ Flexible Putty | | | | | | O 600.0 ppm 5 min STEL |
| DOT Shipping Name: | See DOT addendum. | | | TITANIUM DIOXIDE | | | |
| Hazardous Materials Information: | See Section 10. | | | 13463-67-7 | None | | A 10.0 mg/m3 D 10.0 mg/m3 Total Dust O 15.0 mg/m3 Total Dust D 5.0 mg/m3 Respirable Dust |
| SECTION 2 - Composition, Information on Ingredients | | | | | | | |
| INGREDIENTS | CAS# | VAPOR PRESSURE | EXPOSURE LIMITS | | | | |
| GLASS OXIDE | 65997-17-3 | None | A 3.0 mg/m3 TLV Respirable Dust O 15.0 mg/m3 Respirable Dust A 10.0 mg/m3 TWA inhalable dust | ZINC SULFIDE | 1314-98-3 | None | A None O None |
| HYDROUS MAGNESIUM SILICATE | 14807-96-6 | None | A 2.0 mg/m3 Respirable Dust D 0.5 mg/m3 8 & 12 hour TWA Respirable Dust 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. | | | |
| LIMESTONE | 1317-65-3 | None | A 10.0 mg/m3 O 15.0 mg/m3 Total Dust O 5.0 mg/m3 Respirable Dust | SECTION 3 - Hazards Information | | | |
| MAGNESITE | 546-93-0 | None | A 10.0 mg/m3 O None | Potential Health Effects: | | | |
| POLYESTER RESIN | Not Avail | 4.5@68.0°F | A None O None | 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. | | | |
| STYRENE | 100-42-5 | 6.0 | O 200.0 ppm CEIL | 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: | | | |
| | | | | STYRENE Is an IARC, NTP or OSHA carcinogen. May cause any of the following central nervous system effects: loss of consciousness. Tests in laboratory animals have shown effects on any of the following organs/systems: liver. If ingested may be harmful or fatal. | | | |
| | | | | TITANIUM DIOXIDE In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m3 respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m3 level are not relevant to the workplace. | | | |



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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 0.9 % UFL 6.8 %

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.

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. 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) | 145 - 146 (°C) |
| Approx. freezing range (°C) | -22 - -22 (°C) |
| Gallon weight (lbs/gal) | 7.28 - 9.24 |
| Specific gravity | 0.87 - 1.11 |
| Percent volatile by volume | 31.45 - 36.89 |
| Percent volatile by weight | 30.03 - 32.48 |
| Percent solids by volume | 63.11 - 68.55 |
| Percent solids by weight | 67.52 - 69.98 |

SECTION 10 - Stability and Reactivity

Stability:

Stable

Incompatibility (materials to avoid): None reasonably foreseeable

Hazardous decomposition products:

CO, CO₂, 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)

2250S™ glass oxide, hydrous magnesium silicate, limestone, polyester resin, styrene(32.1%*@), zinc sulfide(2%*)

GAL WT: 7.28 WT PCT SOLIDS:67.52 VOL PCT SOLIDS:68.55

SOLVENT DENSITY: 3.38 VOC LE: 2.4 VOC AP: 2.4

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 2 OSHA STORAGE: IC TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

2270S™ glass oxide, hydrous magnesium silicate, magnesite, polyester resin, styrene(30.0%*@), titanium dioxide, zinc sulfide(6%*)

GAL WT: 9.24 WT PCT SOLIDS:69.98 VOL PCT SOLIDS:63.11

SOLVENT DENSITY: 7.53 VOC LE: 2.8 VOC AP: 2.8

FLASH POINT: 73°F to below 100°F H: 2 F: 3 R: 2 OSHA STORAGE: IC TSCA STATUS: In compliance PHOTOCHEMICALLY REACTIVE: YES

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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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