

MATERIAL SAFETY DATA SHEET

September 1, 1985

METAL TREATMENTS, LACQUER REMOVER, PAINT REMOVER

Section I**Manufacturer**

E. I. du Pont de Nemours & Co. (Inc.)
Finishes & Fabricated Products Dept.
Wilmington, Delaware 19898
Telephone: Product information (800) 441-7515
Medical emergency (800) 441-3637
Transportation emergency (800) 424-9300
(CHEMTREC)

Product: 224S, 225S, 226S, 227S, 244S, 5717S, 5662S,
3907S

D.O.T. Hazard Class: Flammable Liquid
Paint Related Material NA 1263

Section II — Hazardous Ingredients (See Section X for specific product codes)

Ingredients	CAS No.	Vapor Pressure (20°C mm Hg.)	Exposure Limits*
1. Acetone	67-64-1	185	1000ppm-A,O
2. Methanol	67-56-1	96	200ppm-A,O
3. Methylene chloride	75-09-5	340	500ppm-O 100ppm-A,D
4. Toluene	108-88-3	29	100ppm-A
5. Isopropyl alcohol	67-63-0	31	400ppm-A,O
6. VM&P naphtha	64742-89-8	~45	100ppm-A,O
7. 2-ethoxy-butyl acetate	112-07-02	0.3	25ppm-D
8. Zinc dihydrogen phosphate	13598-37-3	None	None
9. Monosodium phosphate	7588-80-7	None	None
10. Phosphoric acid	7664-38-2	None	1 mg/m ³
11. Potassium fluoride	7789-23-3	None	2.5 mg/m ³ as F

*A = ACGIH TLV O = OSHA D = Du Pont internal limit.

Section III — Physical Data

Evaporation rate: Slower than ether
Solubility in water: Slight
Approximate boiling range: 103°F-545°F

Vapor density: Heavier than air
Percent volatile by volume: 80-100%
Density: 6.9-9.7 #/gallon

Section IV: Fire & Explosion Data

Flash point (Method): < 20°F-3907S, 20-73°F-244S,
100-200°F-5717S, 225S, > 200-all others (Closed cup).

Approx. flammable limits: 1.1-14%.

Extinguishing media: 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 cool closed containers to prevent pressure build up.

Unusual fire & explosion hazards: 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 V — Health Hazard Data

Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Inhalation: May cause nose and throat irritation. If product contains ingredients #1-7, may also cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Methylene chloride is an extreme irritant to the eyes and may cause an increase in carboxyhemoglobin levels which may result in a reduced level of oxygen in the blood. Heavy smokers and those with heart disease may experience increased risk of heart problems and based on tests with laboratory animals, overexposure may create cancer risk. Methylene chloride is classified by NTP as a carcinogen. Contact may cause skin burns. Can be absorbed through the skin in harmful amounts. Eye contact with ingredients #8, #9 and #10 may cause corneal injury. Prolonged skin contact may cause chemical burns. Liquid splashes in the eye may result in chemical burns. 2-Ethoxy butyl acetate can be absorbed through the skin in harmful amounts. In studies in laboratory animals has produced damage to red blood cells and kidneys. Laboratory studies with rats have shown that petroleum distillates 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 significant increases of kidney damage nor kidney or liver tumors. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

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. 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 with soap and water. If irritation occurs, contact a physician.

Section VI — Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): None reasonably foreseeable

Hazardous decomposition products: CO, CO₂, smoke

Hazardous polymerization: Will not occur

Section VII — Spill or Leak Procedures

Steps to be taken in case material is released or spilled:

Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbant.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state and local requirements. Do not incinerate in closed containers.

Section VIII — Special Protection Information

Respiratory: Do not breathe vapors or mists.

Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

Section IX — Special Precautions

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120°F.

Section X — Product Codes

Product Code	Ingredients
224S	8, 9
225S	7, 10, 11
226S	-
227S	8, 10
244S	5
5717S	7, 10
5662S	3, 4, 5, 6
3907S	1, 2, 3

*Contains trace amounts of hydrofluoric acid and chromic acid.

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 in any process.

Product Manager
Refinish Sales