

Material Safety Data Sheet**January 2, 2008****Product Identification: RADNOR® PAINT PEN – ALL COLORS****Item Numbers: 64002406, 64002407, 64002408, 64002409, 64002410, 64002411**

Radnor Products
259 N. Radnor-Chester Rd
Radnor, PA 19087-5283

Emergency Phone: 866-734-3438

HMIS Ratings-Health 1 Flammability 3 Reactivity 1
NFPA Ratings- Health 1 Flammability 3 Reactivity 0

Hazardous ingredients – The paint is contained in a valve action reservoir and will not leak under normal conditions.

Black - 64002408

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Carbon Black	13463-67-7	15-20	5 mg/cu.m Respirable dust
<u>High Boiling point</u>			
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel

Red - 64002409

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	0-24	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	1 00 ppm/8 hrs pel
<u>High Boiling point</u>			
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel
Dianisidine Orange Pigment	6505-28-8	0-5	5 Mg./Cu.m.
Monoazo Pigment	7023-61-2	0-5	5 Mg/Cu.m.

White - 64002406

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Titanium Dioxide	13463-67-7	33	5 mg/cu.m Respirable dust
<u>High Boiling point</u>			
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel

Yellow - 64002407

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Titanium Dioxide	13463-67-7	15-20	5 mg/cu.m Respirable dust
<u>High Boiling point</u>			
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel
Diarylide Yellow Pigment	5468-75-7	0-5	5 mg./cu.m Respirable dust

Blue - 64002410

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Titanium Dioxide	13463-67-7	15-20	5 mg/cu.m Respirable dust

Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel
Copper Phthalocyanine	1328-53-6	0-5	1 mg./cu.m Respirable Dust

Green - 64002411

Ingredients	CAS#	%	Exposure Limits
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel
Diarylide Yellow Pig.	5468-75-7	0-5	5 mg./cu.m Respirable dust
Copper Phthalocyanine Pig	1328-53-6	0-5	1 mg./cu.m Respirable dust

Physical Data

Boiling point: 246-404 F **Vapor density:** Heavier than air.

Volatile %: 66.7% by volume **Specific gravity:** Less than 1.

Evaporation rate: Slower than Ethyl Ether **Vapor Pressure:** 6.2 mm hg @ 20 deg. C

Appearance: Viscous liquid with an aromatic odor.

Volatile Organic Compounds data not required because product only produced in quantities of less than 1 liter

Fire and Explosion Data

Flammability Class: IC **Flashpoint:** 75 deg..F **LEL:** 1% **UEL** 7%

Extinguishing Media: Foam, Carbon dioxide, or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

Health Hazard Data

Listed as possible carcinogen: NTP – No IARC – OSHA – No

Symptoms of over exposure: Headache, Dizziness, Nausea, Coughing, Eye, Throat and Skin Irritation.

Effects of overexposure: Slight to severe irritation to eyes and mucous membranes. Dermatitis.

Affects central nervous system.

Emergency first aid: Inhalation; seek fresh air. Give artificial respiration if not breathing.

Skin contact; Wash with soap and water. Ingestion; Call Physician. Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs

Reactivity Data

Stability: Stable, **hazardous polymerization:** Will not occur.

Conditions to avoid: Heat, open flames and sparks.

Incompatibility: Do not expose to strong oxidizers.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Environmental Protection Procedures

Remove all sources of ignition, ventilate area, and use absorbent material to clean spills.

Disposal method: Dispose of waste in accordance with all local, state and federal regulations.

Control Measures

Respiratory protection: None required under normal use.

Ventilation: Normal-working conditions.

Protective Equipment: Safety glasses and gloves. No special clothing required under normal conditions of use.

Transportation

Shipping Class ORM-D

UN Number 1263

Package Group III

Toxic Substances Control Act TSCA States:

All components of this product are listed in the EPA's Inventory of Chemical Substances as required under the Toxic Substances Control Act (TSCA)

California Proposition 65 (Chemicals known to cause cancer)