

# PRODUCTS TECHNIQUES, INC.

## Safety Data Sheet

### SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: MIL-PRF-85582, Type 1, Class C2, Yellow Primer, Two Component Touch-Up Pen

Product Code: M85582-1-C2-10CC (PART A)

Trade Name: NSN: 8010-01-441-6032

Products/Techniques, Inc.  
3271 S. Riverside Ave.  
Bloomington, CA 92316

PH: 909.877.3951  
FX: 909.877.6078  
E-mail: [pti@ptipaint.com](mailto:pti@ptipaint.com)  
Web: [www.ptipaint.com](http://www.ptipaint.com)

Product Filled By:  
Delaware Paint Company  
8455 Rausch Drive  
Plain City, Ohio 43064  
740-368-9981  
[www.delawarepaintco.com](http://www.delawarepaintco.com)

24 HOURS EMERGENCY CONTACT:  
CHEMTREC: 1.800.424.9300

OPERATING HOURS:  
8:00 am - 4:30 pm PDT

Prepared by: Products/Techniques, Inc.  
Contact #: (909) 877-3951

### SECTION 2 - HAZARDS IDENTIFICATION

#### GHS Ratings:

Oral Toxicity	4	Oral>300+<=2000mg/kg
Dermal Toxicity	4	Dermal>1000+<=2000mg/kg
Inhalation Toxicity	4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Eye corrosive	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Respiratory sensitizer	1	Respiratory sensitizer
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

#### GHS Hazards

H302	Harmful if swallowed
H312	Harmful in contact with skin
H316	Causes mild skin irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350	May cause cancer

#### GHS Precautions

P233	Keep container tightly closed
P262	Do not get in eyes, on skin, or on clothing

P264  
P270  
P280  
P305+P351+P338

Wash ... thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing



### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
WATER	7732-18-5	31.63%
AQUEOUS EPOXY RESIN	EPOXY DISPERSION R	21.09%
STRONTIUM CHROMATE	7789-06-2	19.90%
CERAMIC MICROSPHERES	66402-68-4	12.66%
TITANIUM DIOXIDE	13463-67-7	7.96%
ETHYLENE ADDITIVE	2807-30-9	3.18%
2-BUTOXYETHANOL (EB)	111-76-2	1.11%
ADDITIVE	57855-77-3	0.80%
TRADE SECRET NON HAZARDOUS	PROPRIETARY SURFACTANT	0.45%
SURFACTANT	9036-19-5	0.19%
NON-HAZARDOUS INGREDIENTS	NHI	0.16%
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	0.07%

(1) NON-HAZARDOUS MATERIAL

### SECTION 4 - FIRST AID MEASURES

INHALATION: Not applicable.

EYES: Flush eyes with water immediately after contact. Call physician if irritation persists.

SKIN: Not applicable.

INGESTION: If prolonged nausea or pain occurs call a doctor.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: N/A

LEL: N/A

UEL: N/A

NON FLAMMABLE

EXTINGUISHING MEDIA: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide, or foam.

SPECIAL PROCEDURES: Fire fighter should wear self contained breathing apparatus as for surrounding fire.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Absorb the spill with a paper towel or rag.

### SECTION 7 - HANDLING & STORAGE

HANDLING PRECUATIONS: No unusual precaution are necessary.

STORAGE REQUIREMENTS: KEEP OUT OF REACH OF CHILDREN AND PETS.

### SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
WATER 7732-18-5	No TLV established	No PEL established	Not Established
AQUEOUS EPOXY RESIN AQUEOUS EPOXY DISPERSION RESIN	Not Established	Not Established	Not Established
STRONTIUM CHROMATE 7789-06-2	5 ug/m3 8 hr TWA 1 mg/10m3 CEIL	0.0005 mg/m3 TWA (as Cr)	NIOSH: 0.001 mg/m3 10 hr TWA (as CR)
CERAMIC MICROSPHERES 66402-68-4	Not Established	Not Established	Not Established
TITANIUM DIOXIDE 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
ETHYLENE ADDITIVE 2807-30-9	Not classified	Not Classified	Not Established
2-BUTOXYETHANOL (EB) 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
ADDITIVE 57855-77-3	Not Established	Not Established	Not Established
TRADE SECRET NON HAZARDOUS PROPRIETARY SURFACTANT	Not Established	Not Established	Not Established
SURFACTANT 9036-19-5	Not Established	Not Established	Not Established
NON-HAZARDOUS INGREDIENTS NHI	Not Established	Not Established	Not Established
DIPROPYLENE GLYCOL METHYL ETHER 34590-94-8	100 ppm TWA; 600 mg/m3 TWA	150 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 600 mg/m3 TWA 150 ppm STEL; 900 mg/m3 STEL

ENGINEERING CONTROLS: Not Applicable.

PROTECTIVE GEAR: Not Applicable.

### SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<p><b>Appearance</b> Pigmented liquid</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Vapor Density:</b> 4.2</p> <p><b>Density:</b> 1.44</p> <p><b>Freezing point:</b> N/A</p> <p><b>Boiling Range:</b> 0 - 173°C</p> <p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Autoignition temperature:</b> 230°C</p> <p><b>VOC(g/l) Less H2O and Exempt Compounds</b> 113.04</p> <p><b>Specific Gravity</b> 1.44</p> <p><b>Weight/Gallon</b> 12.03</p>	<p><b>Odor</b></p> <p><b>Odor threshold:</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Melting point:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Flash point:</b> N/A</p> <p><b>Physical State</b> Liquid</p> <p><b>Partition coefficient (n-octanol/water):</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>VOC(lbs/gal) Less H2O and Exempt Compounds</b> 0.94</p> <p><b>% VOC (C.A.R.B)</b> 4.30</p>
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**SECTION 10 - REACTIVITY & STABILITY**

UNSTABLE

INCOMPATIBILITIES: None known.

Hazardous polymerization will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Mixture Toxicity**

Inhalation Toxicity LC50: 58mg/L

**Component Toxicity**

- 7732-18-5      WATER  
Oral LD50: 90 mL/kg (Rat)
- 7789-06-2      STRONTIUM CHROMATE  
Oral LD50: 3,118 mg/kg (Rat)
- 13463-67-7      TITANIUM DIOXIDE  
Inhalation LC50: 7 mg/L (Rat)
- 2807-30-9      ETHYLENE ADDITIVE  
Oral LD50: 3,086 mg/kg (Rat) Dermal LD50: 870 mg/kg (Rabbit) Inhalation LC50: 1,530 ppm (M)
- 111-76-2      2-BUTOXYETHANOL (EB)  
Oral LD50: 470 mg/kg (Rat) Dermal LD50: 220 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)
- 9036-19-5      SURFACTANT  
Oral LD50: 4,190 mg/kg (Rat)

None known.

ROUTES OF ENTRY: skin contact, eye contact, ingestion.

- Inhalation      Skin Contact      Eye Contact      Ingestion

TARGET ORGANS: None known.

**Effects of Overexposure**

CARCINOGENICITY: None as listed by NTP, IARC, or OSHA.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
7789-06-2	STRONTIUM CHROMATE	19.90%	ACGIH: A2 IARC: Group 1 NIOSH: Listed EU REACH: Category 2 Carcinogenic Substance

ACUTE TOXICITY: None known.

CONDITIONS AGGRAVATED: None known.

CHRONIC EFFECTS: None as listed by NTP, IARC, or OSHA

**SECTION 12 - ECOLOGICAL INFORMATION**

This product is biodegradable.

**Component Ecotoxicity**

2-BUTOXYETHANOL (EB)	96 Hr LC50 Lepomis macrochirus: 2950 mg/L 24 Hr EC50 water flea: 1720 mg/L; 24 Hr LC50 Daphnia magna: 1698-1940 mg/L
DIPROPYLENE GLYCOL	96 Hr LC50 Pimephales promelas: >10000 mg/L [static]
METHYL ETHER	48 Hr LC50 Daphnia magna: 1919 mg/L

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and national regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING INFORMATION**

Not regulated.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
D.O.T.	NOT REGULATED	N/A	N/A	N/A
IATA	NOT REGULATED	N/A	N/A	N/A
IMO	NOT REGULATED	N/A	N/A	N/A

**SECTION 15 - REGULATORY INFORMATION**

The following chemicals are listed under California Proposition 65:

7789-06-2 STRONTIUM CHROMATE 19.90% Carcinogen

The following chemicals appear on the New Jersey Right-To-Know Chemicals list:

7789-06-2 STRONTIUM CHROMATE  
2807-30-9 ETHYLENE ADDITIVE

The following chemicals appear on the Pennsylvania Right-To-Know list:

7789-06-2 STRONTIUM CHROMATE 19.90%  
2807-30-9 ETHYLENE ADDITIVE 3.18%

SARA HAZARD CATEGORY: The product has been reviewed according to the EPA 'Hazard Categories' promulgated under sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

7789-06-2 STRONTIUM CHROMATE Acute Health Hazard, Chronic Health Hazard

2807-30-9 ETHYLENE ADDITIVE Fire Hazard, Acute Health Hazard, Chronic Health Hazard

TOXIC SUBSTANCES CONTROL ACT: TSCA 2018 RESET COMPLIANT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

STRONTIUM CHROMATE 19.90%

**Country**

**Regulation**

**All Components Listed**

**EU Risk Phrases**

**Safety Phrase**

All ingredients are TSCA 2018 Reset Compliant. The chemical substances listed below are not on the TSCA Section 8 Inventory:

**SECTION 16 - OTHER INFORMATION**

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

**Hazardous Material Information System (HMIS)**

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

**HMIS & NFPA Hazard Rating**

**Legend**

\* = Chronic Health Hazard

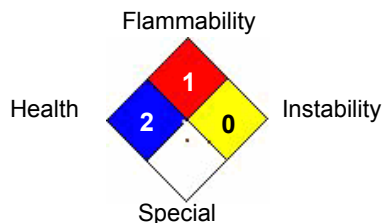
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

**National Fire Protection Association (NFPA)**



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Reviewer Revision

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