

PRODUCTS TECHNIQUES, INC.

Safety Data Sheet

SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: TT-P-645B CHROMATE FREE PRIMER FORMULA 84 Product Code: PT-545

Trade Name: ALSO MEETS AMS 3117

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

PH: 909.877.3951
FX: 909.877.6078
E-mail: pti@ptipaint.com
Web: www.ptipaint.com

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

In an emergency, call:
CHEMTREC: 1.800.424.9300

Product Use:
Not recommended for:

SECTION 2 - HAZARDS IDENTIFICATION

HMIS:230X

GHS Ratings:

Carcinogen

1B

Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

GHS Hazards

H303 May be harmful if swallowed
H313 May be harmful in contact with skin
H333 May be harmful if inhaled
H350 May cause cancer

GHS Precautions

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P281 Use personal protective equipment as required
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to ...

Danger



There are no GHS ratings that apply to this product at this time.

ACUTE TOXICITY:

INHALATION: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CONDITIONS AGGRAVATED:Unknown.

CHRONIC EFFECTS: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN-CAS: PROPRIETARY 27.21 percent	Not Established	Not Established	
MICRO TALC 14807-96-6 8.84 percent		2 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)
TITANIUM DIOXIDE 13463-67-7 8.47 percent	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	
XYLENE 1330-20-7 8.14 percent Vapor Pressure: 7 mm/Hg	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
ACETONE 67-64-1 5.61 percent Vapor Pressure: 174.765 mmHg	1000 ppm TWA; 2400 mg/m3 TWA	750 ppm STEL 500 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA
MINERAL SPIRITS 8052-41-3 4.10 percent Vapor Pressure: 2 mmHg	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
ETHYLBENZENE 100-41-4 0.567 percent Vapor Pressure: 7.126 mmHg	100 ppm TWA; 435 mg/m3 TWA	125 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
NON-HAZARDOUS INGREDIENTS NHI 0.295 percent			
1-METHOXY-2-PROPANOL ACETATE 108-65-6 0.088 percent Vapor Pressure: 3.675 mmHg	TWA 50 PPM		
N-BUTYL ACETATE NORMAL 123-86-4 0.088 percent Vapor Pressure: 9.751 mmHg	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
ADDITIVE 96-29-7 0.075 percent Vapor Pressure: 2.625 mmHg			

ZIRCONIUM ADDITIVE 22464-99-9 0.056 percent Vapor Pressure: 1.5 mm Hg			
COBALT ADDITIVE 61789-51-3 0.041 percent Vapor Pressure: 1.5 mm Hg			

SECTION 4 - FIRST AID MEASURES

INHALATION: If breathing problems occur during use, **LEAVE AREA IMMEDIATELY** and get fresh air. If breathing problems remain, **SEEK IMMEDIATE MEDICAL ATTENTION.**

EYE CONTACT: Flush eyes with large amounts of clean water for at least 20 minutes. Seek immediate medical attention.

SKIN CONTACT: Wash affected area thoroughly with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and launder before re-use.

INGESTION: Do not induce vomiting. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

LEL: 1.0 %

UEL: 12.8 %

All flashpoints: TCC

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide (CO₂), dry chemical, water spray/water fog extinguishing systems

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed of.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING & STORAGE

HANDLING: Wear all appropriate Personal Protective Equipment (PPE). Wear appropriate respiratory protection and ensure adequate ventilation at all times as vapors can accumulate over time in enclosed spaces and poorly ventilated areas. Use product in a way that minimizes splashes and/or creation of

dust. Wash with soap and water thoroughly after each use.

STORAGE: Keep away from heat, sparks and flame. Keep container closed when not in use. Store in a cool dry area at a temperature between 50 and 95 degrees F. Do not store outside in direct sunlight.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN-CAS: PROPRIETARY	Not Established	Not Established	
MICRO TALC 14807-96-6		2 mg/m ³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 2 mg/m ³ TWA (respirable dust, containing no asbestos and less than 1% quartz)
TITANIUM DIOXIDE 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	
XYLENE 1330-20-7	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	
ACETONE 67-64-1	1000 ppm TWA; 2400 mg/m ³ TWA	750 ppm STEL 500 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m ³ TWA
MINERAL SPIRITS 8052-41-3	500 ppm TWA; 2900 mg/m ³ TWA	100 ppm TWA	NIOSH: 350 mg/m ³ TWA 1800 mg/m ³ Ceiling (15 min)
ETHYLBENZENE 100-41-4	100 ppm TWA; 435 mg/m ³ TWA	125 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL
NON-HAZARDOUS INGREDIENTS NHI			
1-METHOXY-2-PROPANOL ACETATE 108-65-6	TWA 50 PPM		
N-BUTYL ACETATE NORMAL 123-86-4	150 ppm TWA; 710 mg/m ³ TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m ³ TWA 200 ppm STEL; 950 mg/m ³ STEL
ADDITIVE 96-29-7			
ZIRCONIUM ADDITIVE 22464-99-9			
COBALT ADDITIVE 61789-51-3			

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

VENTILATION & RESPIRATORY PROTECTION: Always follow all local, state, and federal laws and regulations regarding the use of respirators. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is

limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Wear a MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

ADMINISTRATIVE CONTROLS: All individual company safety policies should be reviewed to determine compliance with applicable Federal, State and local safety regulations. If a company determines that threshold limit values and air quality contaminant level have not been exceeded, then that company should set it's own policies regarding the use of respirators and other Personal Protective Equipment.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, such as neoprene or solvent resistant nitrile. To prevent repeated or prolonged skin contact, wear impervious clothing such as a chemical suit, rubber boots, and/or chemical safety goggles plus a face shield if such should be necessary. If the equipment to be worn is not available or the type of equipment for a specific job is not known, consult a reputable safety equipment supply company. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

This product exhibits the following properties under normal conditions:

Appearance Pigmented liquid	Odor Solvent like
Physical State Liquid	Vapor Density 3.01
Vapor Pressure 74.1 mm Hg	Boiling Range 56 to 148 °C, 133 to 298 °F
Wt% Solids 81.10	Weight/Gallon 13.87
VOC(g/l) Less H2O and Exempt Compounds 250.12	VOC(lbs/gal) Less H2O and Exempt Compounds 2.08
VOC (g/L) Material 220.58	Specific Gravity 1.66
% VOC (C.A.R.B) 13.27	

SECTION 10 - REACTIVITY & STABILITY

STABILITY:

STABLE

INCOMPATIBILITY (Materials to avoid): strong acids and bases, oxidizers, and selected amines.

CONDITIONS TO AVOID: Avoid all possible sources of ignition.

No Data

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide (CO) and carbon dioxide (CO2).
Other unknown hazardous products are possible.

No Data

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity: 45mg/L

Component Toxicity

13463-67-7	TITANIUM DIOXIDE Inhalation: 7 mg/L (Rat)
100-41-4	ETHYLBENZENE Oral: 3,500 mg/kg (Rat) Inhalation: 17 mg/L (Rat)

INHALATION: Headaches, dizziness, nausea, decreased blood pressure, change in heart rate, and cyanosis may result from overexposure to vapor. **Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.**

INGESTION: This material may be harmful or fatal if swallowed.

SKIN CONTACT: May cause sensitization or allergic reaction.

EYE CONTACT: Direct contact with liquid, exposure to vapors or mist may cause stinging, tearing, redness, swelling and eye damage.

Routes of Entry:

Inhalation	Skin Contact	Eye Contact	Ingestion
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Exposure to this material may affect the following organs:

Blood System	Eyes	Kidneys	Liver	Central Nervous System	Skin	Cardiovascular
		Respiratory System				

Effects of Overexposure

CARCINOGENICITY:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
61789-51-3	COBALT ADDITIVE	0.041	COBALT ADDITIVE: IARC: Possible human carcinogen OSHA: listed

SECTION 12 - ECOLOGICAL INFORMATION

No information available.

Component Ecotoxicity

SECTION 13 - DISPOSAL CONSIDERATIONS

It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition. Maximize material recovery for reuse or recycling.

It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues.

Non-usable product is regulated by US EPA as hazardous material under the following codes:

SECTION 14 - TRANSPORTATION / SHIPPING INFORMATION

Hazardous Material! Ship according to all applicable local, state, and federal regulations regarding labeling and packaging requirements.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	PAINT	1263	II	3
IATA	PAINT	1263	II	3
IMO	PAINT	1263	II	3

SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

The following chemicals are listed under California Proposition 65:

- None

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

8052-41-3 MINERAL SPIRITS
1330-20-7 XYLENE

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

8052-41-3 MINERAL SPIRITS 4.10 %

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:

8052-41-3 MINERAL SPIRITS Fire Hazard
67-64-1 ACETONE Fire Hazard, Acute Health Hazard
1330-20-7 XYLENE Fire Hazard, Acute Health Hazard, Chronic Health Hazard

TOXIC SUBSTANCES CONTROL ACT:

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

- None



EU Risk Phrases

R10: Flammable
R20: Harmful by inhalation
R21: Harmful in contact with skin
R22: Harmful if swallowed
R45: May cause cancer

Safety Phrase

S16: Keep away from sources of ignition - No smoking
S33: Take precautionary measures against static discharges
S38: In case of insufficient ventilation wear suitable respiratory equipment
S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest
S3/7/9: Keep container tightly closed in a cool, well-ventilated place
S29/35: Do not empty into drains; dispose of this material and its container in a safe way

S36/39: Wear suitable protective clothing and eye/face protection

The chemical substances listed below are not on the TSCA Section 8 Inventory:

- None

SARA Section 313: The product contains the following substances subject to the reporting requirements of section 313 and Title II of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

61789-51-3 COBALT ADDITIVE 0.04%

SECTION 16 - OTHER INFORMATION

The information in this document is believed to be correct as of the date printed.

NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT OF THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.

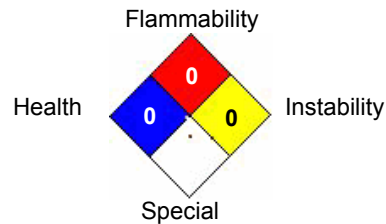
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Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
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)



Date Prepared: 3/28/2016

Reviewer Revision