### PRODUCTS TECHNIQUES, INC. Safety Data Sheet

#### SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: TT-E-527D FLAT BLACK LOW VOC Product Code: PT-383#37038 MANUFACTURER: PH: 909 877 3951 FX: 909 877 6078 Products/Techniques Inc

3271 S. Riverside Ave. Bloomington, CA 92316 E-mail: pti@ptipainLcom Web: www.ptipaint.com

In an emergency, call: CHEMTREC: 1,800,424,9300

Product Use: Not recommended for OPERATING HOURS: 8:00 am - 4:30 pm PDT

#### SECTION 2 - HAZARDS IDENTIFICATION

CHS Ratings:

Flammable liquid Oral Toxicity Inhalation Toxicity Flash point >= 23°C and <= 60°C (140°F) Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l Acute Tox, 3 Еуе согтові Eye irritation: Reversible adverse effects on comea, iris conjunctiva, Draize score: Comeal opacity >= 1, Intis > 1, Redness >= 2. Chemosis >= 2 Respiratory sensitizer Skin sensitizer Carcinogen 18 Presumed Human Carcinogen, Based on demonstrated

**GHS Precautions GHS Hazards** Flammable liquid and vapour May be harmful if swallowed Do not handle until all safety precautions have been read and May be harmful in contact with skin May cause an allergic skin H317 understados
Keep away from heat/sparks/open
flames/hot surfaces — No smoking
Keep container tightly closed
Ground/bond container and receiving P210 reaction Toxic if inhaled H331 P233 P240 H333 H334 May be harmful if inhaled May cause allergy or asthma symptoms or breathing difficulties if inhaled equipment Use explosion-proof P241 electrical/ventilating/light/ .../equipment Use only non-sparking tools H350 May cause cancer P242 Take precautionary measures against static discharge P243

Page 1 of 10

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INHALATION: Intentional misuse by deliberately concentrating and inhaling the contents may be

CONDITIONS AGGRAVATED: Unknown

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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN 34.44 percent	Not Established	Not Eulablished	
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN-CAS: PROPRIETARY 22 68 percent	Not Established	Not Established	
N-BUTYL ACETATE NORMAL 123-86-4 13,15 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
SYNTHETIC AMORPHOUS SILICA 112926-00-8 10.54 percent			
2-PENTANONE 107-87-9 6.81 percent Valor Pressure: 21 lg	200 ppm TWA; 700 mg/m3 TWA	150 ppm STEL	NIOSH: 150 ppm TWA; 530 mg/m3 TWA
CARBON BLACK PIGMENT 1333-85-4 4.59 percent	3.5 mg/m3 TWA	35 mg/m3 TWA	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons)
METHYL ISOBUTYL KETONE SOLVENT 108-10-1 1.36 percent	100 ppm TWA; 410 mg/m3 TWA	75 ppm STEL 50 ppm TWA	NIOSH: 50 ppm TWA; 205 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL
KYLENE 1330-20-7 1.36 percent Vapor Pressure 7 mm/Hg	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
MINERAL SPIRITS 8052-41-3 1.01 percent Value Pressure: 3 mmHg	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)
COBALT ADDITIVE 61769-51-3 0.995 percent			

Avoid breathing
dust/furne/gas/mist/vapours/spray
Wash thoroughly after handling
Use only outdoors or in a well-ventilated P261 P272 Contaminated work clothing should not be allowed out of the workplace be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection clother personal protective equipment as required in case of madequate ventilation wear respiratory protection Call a POISON CENTER or P280 P281 P311 doctor/physician Specific treatment (see \_\_ on this label) P321 Wash contaminated clothing before ruse ON SKIN: Wash with soap and water P302+P352 P303+P361+P35 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower P304+P340 IF INHALED: Remove victim to fresh air IF INHALED: Remove victim to fresh a and keep at rest in a position comfortable for breathing IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for P304+P341 breathing IF IN EYES: Rinse continuously with P305+P351+P33 water for several minutes. Remove contact lenses if present and easy to contact teribes it present and easy to do — continue infining IF exposed or concerned: Get medical advice/attention it slor surfaces advice/attention Get medical advice/attention Get medical advice/attention Get medical advice/attention Call a POISON CENTER or P308+P313 P333+P313 P337+P313 P342+P311 doctor/physician In case of fire: Use \_\_\_\_tor extinction P370+P378 Store locked up
Store in a well ventilated place. Keep container lightly closed
Store in a well ventilated place. Keep P405 P403+P233 Dispose of contents/container to ... P501

Danger

4 \*

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

ACUTE TOXICITY:

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(ETHYL-3- OXOBUTANOATO-0*1.0*3) (2- DIMETHYLAMINOETBANOL ATO)(1-METHOXYPROPAN- DLATO)ALUMINUM(H1), DIMERISED 149057-70-5 II 989 percent	Not Established	Not Established	
ADDITIVE 96-29-7 0.653 percent Vacor Pressure 2.625 mining			
WATER (1) 7732-18-5 0.555 percent	No TLV established	No PEL established	
NON-HAZARDOUS INGREDIENTS NHI 0.272 percent			
1-METHOXY-2-PROPANOL ACETATE * 108-65-6 0.136 percent Vacor Pressure 3.675 mmHg	TWA 50 PPM		
ETHYLBENZENE 100-41-4 0.045 percent Vapor Francum #1/26 mm/hg	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
1-METHOXY-2-PROPANOL 107-98-2 0.024 percent Vapor Pressure 8.626 gmHg	(45)	150 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m3 TWA 150 ppm STEL; 540 mg/m3 STEL
PHOSPHORIC ACID 7664-38-2 0.005 percent Vapor Pressure713 mmHg	1 mg/m3 TWA	3 mg/m3 STEL 1 mg/m3 TWA	NIOSH: 1 mg/m3 TWA 3 mg/m3 STEL

(1) NON-HAZARDOUS MATERIAL

#### 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 dean 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 dothing and launder before re-use INGESTION: Do not induce vomiting. Get immediate medical attention,

## **SECTION 5 - FIRE FIGHTING MEASURES**

I FI : 0.0 %

SDS for PT-383#37034

UEL: 120.0 %

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 burged 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 o 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

### 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 poorty ventilated areas. Use product in a way that minimizes splashes and/or creation of

spaces and poorly veniciated areas, see product in a way trial himinizes spasiles and out creation of dust. Wash with soap and water thoroughly after each use, STORAGE: Keep away from heat, sparks and flame, Keep container dosed when not in use, Store in a cool dry area at a temperature between 50 and 95 degrees F<sub>p</sub>. Do not store outside in direct

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Esposure Limits
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN	Not Established	Not Established	
ALKYD RESIN - NOT HAZARDOUS ALKYD RESIN-CAS PROPRIETARY	Not Established	Not Established	
N-BUTYL ACETATE NORMAL 123-86-4	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
SYNTHETIC AMORPHOUS SILICA 112926-00-8			
2-PENTANONE 107-87-9	200 ppm TWA; 700 mg/m3 TWA	150 ppm STEL	NIOSH 150 ppm TWA; 530 mg/m3 TWA

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Page 5 of 10 France 65/2016 at 7:00 SOAM

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 intendio limit values and air quality coniaminantieven have not been exceeded, linen that company should sell 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 repealed or prolonged skin contact, wear impervious dothing 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 287.1 or approved equivalent).

EYE PROTECTION. Wear safety plasses with side shields (or googles) and a face

OTHER PROTECTIVE EQUIPMENT: Where splashing is possible, full chemically resistant protective dothing (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 venitlated area. Follow all MSDS/label precautions even after container is empfied 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 healed 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 3.93 Vapor Pressure 8.7 mmHg Boiling Range 102 to 148 °C, 216 to 298 °F Weight/Gallon 9.10 VOC(g/l) Less HZO and 268.85 Exempt Compounds VOC(bs/gal) Less H2O and 2.24 Exempt Compounds VOC (q/L) Material 268.85 Specific Gravity 1.09 % VOC (C.A.R.B) 24.65

#### SECTION 10 - REACTIVITY & STABILITY

STABILITY

STABLE

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

CONDITIONS TO AVOID Avoid all possible sources of ignition

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

CARBON BLACK PIGMENT 1333-86-4	3,5 mg/m3 TWA	.3.5 mg/m3 TWA	INIUSH: 3.5 mg/m3 TWA: 0.1 mg/m3 TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons)
METHYL ISOBUTYL KETONE SOLVENT 108-10-1	100 ppm TWA; 410 mg/m3 TWA	75 ppm STEL 50 ppm TWA	NIOSH 50 ppm TWA; 205 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL
XYLENE 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
MINERAL SPIRITS 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH 350 mg/m3 TWA 1800 mg/m3 Ceikng (15 min)
COBALT ADDITIVE 51789-51-3			
(ETHYL-3- OXOBUTANOATO-0"1,0"3) (2- DIMETHYLAMINOETBANOL ATO)(1-METHOXYPROPAN- OLATO)ALUMINUM(H1), DIMERISEO 149057-70-5-	Not Established	Not Established	
ADDITIVE 96-29-7			
WATER 7732-18-5	No TLV established	No PEL established	
NON-HAZARDOUS INGREDIENTS NHI	1 201		
1-METHOXY-2-PROPANOL ACETATE 108-65-6	TWA 50 PPM		
ETHYLBENZENE 100-41-4	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
1-METHOXY-2-PROPANOL 107-98-2		150 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m3 TWA 150 ppm STEL; 540 mg/m3 STEL
PHOSPHORIC ACID 7664-38-2	1 mg/m3 TWA	3 mg/m3 STEL 1 mg/m3 TWA	NIOSH 1 mg/m3 TWA 3 mg/m3 STEL

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

VENTILATION & RESPIRATORY PROTECTION: Always follow all local, state, and federal laws and regulations regarding the use of respirators. A NIOSHMBSHA 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

Page 6 of 10 Printed 6/9/2016 at 7:00 50AM

Hazardous polymerization will not occur

# SECTION 11 - TOXICOLOGICAL INFORMATION

Component Toxicity 123-86-4

N-BUTYL ACETATE NORMAL

Inhalation 390 ppm (Rat) CARBON BLACK PIGMENT Dermal 3 g/kg (Rabbit:) 1333-85-4

96-29-7 ADDITIVE

Oral 930 mg/kg (Rat) Inhalation 20 mg/L (Rat) 108-65-6 1-METHOXY-2-PROPANOL ACETATE

Dermal: 5 000 mg/kg (Rabbit.) Inhalation: 100 ppm (Rat)

ETHYLBENZENE 100-41-4

Oral 3,500 mg/kg (Rat) Inhalation: 17 mg/L (Rat) 1-METHOXY-2-PROPANOL

Inhalation 24 mg/L (Rat:)

PHOSPHORIC ACID
Oral 1,530 mg/kg (Rat) Dermal 2,730 mg/kg (Rabbit) Inhalation 650 mg/m3 (Rat)

INHALATION: Headaches, dizziness, nauseau, 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, rechess, swelling and eye damage.

Routes of Entry

Skin Contact Inhalation Eye Contact Ingestion

Exposure to this material may affect the following organs:

Blood Eyes Kidneys Liver Central Nervous System

Skin Respiratory System

Effects of Overexposure

CARCINOGENICITY CAS Number 1333-85-4

Description CARBON BLACK PIGMENT

% Weight 4.59

Carcinogen Rating CARBON BLACK PIGMENT: NIOSH Potential occupationa

carcinogen IARC: Possible human carcinogen OSHA: Italed

61789-51-3 CORALT ADDITIVE

COBALT ADDITIVE: IARC: Possible human cardinogen OSHA: fisted 0.995

SECTION 12 - ECOLOGICAL INFORMATION

No information available

Component Ecotoxicity

509 for PT-383837038

#### SECTION 13 - DISPOSAL CONSIDERATIONS

It is the responsibility of the user to determine the proper storage, transportation, treatment and/cr 6.sposal 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 250 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

Agency Proper Shipping Name
DOT PAINT

UN Number Packing Group Hazard Class
UN1263 II Hazard Class

### SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable
The following chemicals are listed under California Proposition 65:
61789-51-3 COBALT ADDITIVE 0.99 % Mutagen
1333-84 CARBON BLACK PIGMENT 4.59 % Carcinogen

The following chemicals appear on the New Jersey Right-To-Know Chemicals list: 8052-41-3 MINERAL SPIRITS 108-10-1 METHYL ISOBUTYL KETONE SOLVENT 1330-20-7 XYLEN

1333-86-4 CARBON BLACK PIGMENT

123-86-4 N-BUTYL ACETATE NORMAL

The following chemicals appear on the Pennsylvania Right-To-Know list: 8652-41-3 MINERAL SPIRITS 1.01 % 108-10-1 METHYL ISOBUTYL KETONE SOLVENT 1.36 % 1333-84 CARBON BLACK PIGMENT 4.59 %

123-86-4 N-BUTYL ACETATE NORMAL 13.15 %

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 meed

the following categories:
61789-51-3 COBALT ADDITIVE Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SOBACT 1-3 SUBACT LUDITURE Fire Plazzard
 SOBACT 1-3 MINERAL SPIRITS Fire Hazzard
 SOB-241-3 MINERAL SPIRITS FIRE FIRE FIRE HAZZARD
 SOB-241-3 MINERAL SPIRITS FIRE FIRE HAZZARD
 SOB-241-3 MINERAL SPIRITS FIRE HAZZARD
 SOB-241-3 MINERAL SPIRITS
 SOB-241-3 MINERAL

SDS for PT-383837038

Page 9 of 10

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(8) if exported from the United States:

None

# Safety Phrase

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

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 0.99%

#### SECTION 16 - OTHER INFORMATION

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

NO WARRANTY OF MERCHANTIBILITY, 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

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

FLAMMARILITY 3

PRITE DAL HAZARD 0

PERSONAL PROJECTION X

HAIS & NFPA HAZARD 0

- Chambic Health HEZARD 0

- MISIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Prote tion Association (NFPA)



Date Prepared: 6/9/2015

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Page 10 of 10