

# PRODUCTS TECHNIQUES, INC.

## Safety Data Sheet

### SECTION 1 - PRODUCT & COMPANY INFORMATION

Product Name: POLYURETHANE SEMI GLOSS YELLOW    Product Code: PT-750#23655

MANUFACTURER:  
 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)

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:**

<p>Oral Toxicity          Inhalation Toxicity           Skin corrosive           Respiratory sensitizer          Skin sensitizer</p>	<p>Acute Tox. 1           3           1          1</p>	<p>Gases&lt;=100ppm, Vapors&lt;=0.5mg/l,          Dusts&amp;mists&lt;=0.05mg/l          Reversible adverse effects in dermal tissue, Draize score: &gt;= 1.5 &lt; 2.3          Respiratory sensitizer          Skin sensitizer</p>
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**GHS Hazards**

<p>H316          H317           H334</p>	<p>Causes mild skin irritation          May cause an allergic skin reaction          May cause allergy or asthma symptoms or breathing difficulties if inhaled</p>
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**GHS Precautions**

<p>P260          P261          P271          P272          P280          P284          P285          P310          P320          P321</p>	<p>Do not breathe dust/fume/gas/mist/vapours/spray          Avoid breathing dust/fume/gas/mist/vapours/spray          Use only outdoors or in a well-ventilated area          Contaminated work clothing should not be allowed out of the workplace          Wear protective gloves/protective clothing/eye protection/face protection          Wear respiratory protection          In case of inadequate ventilation wear respiratory protection          Immediately call a POISON CENTER or doctor/physician          Specific treatment is urgent (see ... on this label)          Specific treatment (see ... on this label)</p>
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P363	Wash contaminated clothing before reuse
P302+P352 P304+P340	IF ON SKIN: Wash with soap and water IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
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
1-METHOXY-2-PROPANOL ACETATE 108-65-6 50.18 percent Vapor Pressure: 3.675 mmHg	TWA 50 PPM		
YELLOW PIGMENT 82199-12-0 14.80 percent			

PHEOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] 25036-25-3 8.82 percent Vapor Pressure: 24 mbar @ 70 F	PEL 5 mg/m3 (respirable particulate) PEL 15 mg/m3 (total dust)	TLV 10 mg/m3 (inhalable particulate)	
TOLUENE 108-88-3 7.80 percent Vapor Pressure: 22.502 mmHg	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
POLYESTER PLASTICIZER NJTSRN: 8009285070 7.69 percent			
SYNTHETIC AMORPHOUS SILICA 112926-00-8 5.08 percent			
XYLENE 1330-20-7 2.65 percent Vapor Pressure: 7 mm/Hg	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
N-BUTYL ACETATE NORMAL 123-86-4 1.96 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
NON-HAZARDOUS INGREDIENTS NHI 0.396 percent			
WATER (1) 7732-18-5 0.267 percent	No TLV established	No PEL established	
METHYL ETHYL KETONE 78-93-3 0.107 percent Vapor Pressure: 75.756 mmHg	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
CELLULOSE ACETATE BUTYRATE 9004-36-8 0.001 percent			
C.I. PIGMENT ORANGE 36 12236-62-3 0.000 percent	TWA 15 mg/m3 (total dust) TWA 5 mg/m3 (respirable fraction)	TWA 10 mg/m3 (inhalable fraction) TWA 3 mg/m3 (respirable fraction)	DFG MAKs: TWA 4 mg/m3 (inhalable fraction) TWA 1.5 mg/m3 (respirable fraction)
CATALYST ADDITIVE 77-58-7 0.000 percent			

(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 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: 0.0 %

UEL: 7.6 %

All flashpoints: TCC

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide (CO<sub>2</sub>), 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
1-METHOXY-2-PROPANOL ACETATE 108-65-6	TWA 50 PPM		

YELLOW PIGMENT 82199-12-0			
PHEOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] 25036-25-3	PEL 5 mg/m3 (respirable particulate) PEL 15 mg/m3 (total dust)	TLV 10 mg/m3 (inhalable particulate)	
TOLUENE 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
POLYESTER PLASTICIZER NJTSRN: 8009285070			
SYNTHETIC AMORPHOUS SILICA 112926-00-8			
XYLENE 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	
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
NON-HAZARDOUS INGREDIENTS NHI			
WATER 7732-18-5	No TLV established	No PEL established	
METHYL ETHYL KETONE 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
CELLULOSE ACETATE BUTYRATE 9004-36-8			
C.I. PIGMENT ORANGE 36 12236-62-3	TWA 15 mg/m3 (total dust) TWA 5 mg/m3 (respirable fraction)	TWA 10 mg/m3 (inhalable fraction) TWA 3 mg/m3 (respirable fraction)	DFG MAKs: TWA 4 mg/m3 (inhalable fraction) TWA 1.5 mg/m3 (respirable fraction)
CATALYST ADDITIVE 77-58-7			

**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:

<b>Appearance</b> Pigmented liquid	<b>Odor</b> Solvent like
<b>Physical State</b> Liquid	<b>Vapor Density</b> 4.06
<b>Vapor Pressure</b> 6.9 mmHg	<b>Boiling Range</b> 0 to 150 °C, 32 to 302 °F
<b>Wt% Solids</b> 37.32	<b>Weight/Gallon</b> 9.21
<b>VOC(g/l) Less H2O and Exempt Compounds</b> 691.66	<b>VOC(lbs/gal) Less H2O and Exempt Compounds</b> 5.76
<b>VOC (g/L) Material</b> 691.66	<b>Specific Gravity</b> 1.10
<b>% VOC (C.A.R.B)</b> 62.68	

## SECTION 10 - REACTIVITY & STABILITY

**STABILITY:**

UNSTABLE

**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 (CO<sub>2</sub>). Other unknown hazardous products are possible.

No Data

Hazardous polymerization will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Mixture Toxicity

Oral Toxicity: 4,280mg/kg

Inhalation Toxicity: 0mg/L

### Component Toxicity

108-65-6	1-METHOXY-2-PROPANOL ACETATE Dermal: 5,000 mg/kg (Rabbit:) Inhalation: 100 ppm (Rat)
108-88-3	TOLUENE Oral: 636 mg/kg (Rat)
123-86-4	N-BUTYL ACETATE NORMAL Inhalation: 390 ppm (Rat)
78-93-3	METHYL ETHYL KETONE Oral: 2,737 mg/kg (Rat) Inhalation: 32 g/m3 (Mouse)
9004-36-8	CELLULOSE ACETATE BUTYRATE Oral: 3,200 mg/kg (Rat) Dermal: 1,000 mg/kg (Guinea Pig)

**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:

Eyes	Kidneys	Liver	Central Nervous System	Reproductive System	Skin
Spleen	Heart	Respiratory System			

### Effects of Overexposure

### CARCINOGENICITY:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data

## 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	UN1263	II	3

## SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

The following chemicals are listed under California Proposition 65:

108-88-3 TOLUENE 7.80 % Mutagen  
25036-25-3 PHEOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] 8.82 % Carcinogen

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

123-86-4 N-BUTYL ACETATE NORMAL  
1330-20-7 XYLENE  
108-65-6 1-METHOXY-2-PROPANOL ACETATE

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

123-86-4 N-BUTYL ACETATE NORMAL 1.96 %  
108-65-6 1-METHOXY-2-PROPANOL ACETATE 50.18 %

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:

123-86-4 N-BUTYL ACETATE NORMAL Fire Hazard, Acute Health Hazard  
1330-20-7 XYLENE Fire Hazard, Acute Health Hazard, Chronic Health Hazard  
108-88-3 TOLUENE Fire Hazard, Acute Health Hazard  
25036-25-3 PHEOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'[(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] Acute Health Hazard, Chronic Health Hazard  
108-65-6 1-METHOXY-2-PROPANOL ACETATE Fire Hazard, Acute 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

### Safety Phrase

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:



## 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.

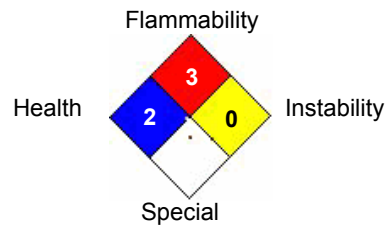
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### Hazardous Material Information System (HMIS)

HEALTH	2	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	3	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

Date Prepared: 6/8/2016

### National Fire Protection Association (NFPA)



Reviewer Revision