

# SAFETY DATA SHEET

## Section 1 - Chemical Product and Company

Product Name: GLOSS WHITE POLYESTER TOPCOAT Product Code: PE1001

IC&S  
1833 William Penn Way  
Lancaster, PA 1761  
Phone: 717-391-6250

Emergency Phone No: Chem Tel 800-255-3924  
or international 813-248-0585

## Section 2 - Hazards

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Serious eye damage/eye irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogenicity	2	Limited evidence of human or animal carcinogenicity
Reproductive toxicity	2	Human or animal evidence possibly with other information
Specific target organ toxicity repeated exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidanc

### GHS Hazards

H225	Highly flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment (see ... on this label)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313 IF exposed or concerned: Get medical advice/attention

P332+P313 If skin irritation occurs: Get medical advice/attention

P337+P313 Get medical advice/attention

P370+P378 In case of fire: Use ... for extinction

P405 Store locked up

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container to an approved waste disposal facility.

**Signal Word: Danger**



### Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Styrene	100-42-5	30.00% - 40.00%
Butanone (MEK)	78-93-3	1.00% - 5.00%

### Section 4 - First Aid Measures

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, call ambulance. Place patient on side and stabilize to prevent aspiration.

Rinse opened eye for several minutes under running water. Get medical attention if needed.

Take off immediately all contaminated clothing, including underwear and shoes. Immediately wash with soap and water and rinse thoroughly. Rinse thoroughly with plenty of water for at least 20 minutes and get medical attention.

Do not induce vomiting. Get medical assistance.

Symptoms of poisoning may occur after several hours, therefore medical observation for at least 48 hours after the incident is recommended.

### Section 5 - Fire Fighting Measures

Flash Point: -4 C (25 F)

LEL: 1.0%

UEL: 12.0%

**Suitable extinguishing agents include:** Alcohol resistant foam, CO<sub>2</sub>, powder, water spray/mist. For safety reasons, do not use a jet water stream as it may scatter and spread fire.

Formation of toxic gases is possible during heating or in case of fire.

**Wear all appropriate protective equipment:** hardhat with visor, fireproof clothing, suitable gloves, and if necessary, personal respiratory protective device.

**Advice for firefighters:** Protective Equipment: Hardhat with visor, fireproof clothing, suitable glove and if necessary

respiratory protective device.

## Section 6 - Accidental Release Measures

**Personal precautions,** protective equipment and emergency procedures. Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Do not allow to enter sewers, surface or ground water. Methods and material for containment and cleaning up: Absorb with liquid binding material, such as sand, diatomite, acid binders, universal binders, sawdust. Dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

**Environmental Precautions:** Do not allow to enter sewers/surface or groundwater. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Do not flush with water or aqueous cleansing agents.

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## Section 7 - Handling and Storage

**Precautions for safe handling:** Ensure good ventilation/exhaust at the workplace. Prevent the formation of aerosols. Protect against electrostatic charges. Use explosion proof apparatus. Fittings and tools should be spark proof. Keep all sources of ignition away. Do not smoke in area.

Store in a cool, well-ventilated area, away from heat and sources of ignition. Provide solvent resistant, sealed floor on which to store material. Observe the label precautions. Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

Dispose of material in accordance with all local, state, and federal regulations.

## Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Styrene 100-42-5	100 ppm TWA	Not Established	Not Established
Butanone (MEK) 78-93-3	200 ppm TWA	200 ppm TWA, 300 ppm STEL	Not Established

**General protective and hygienic measures:** Keep away from food and beverages Wash hands before breaks and at the end of work Avoid contact with eyes and skin.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Protective gloves. The glove material must be impermeable and resistant to the product. Contact the manufacturer for recommendations.

Eye protection: Use tightly sealed goggles.

## Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

<p><b>HAPS</b> 44.20 g/l, 0.369 lbs/gal</p> <p><b>Vapor Pressure:</b> 79 mm Hg</p> <p><b>Vapor Density:</b> Heavier Than Air</p> <p><b>Freezing point:</b> N/A</p> <p><b>Boiling range:</b> 64°C</p> <p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> 1% - 12%</p> <p><b>Viscosity:</b> N/A</p> <p><b>Melting point:</b> N/A</p> <p><b>Partition coefficient (n-octanol/water):</b> N/A</p>	<p><b>Odor:</b> N/A</p> <p><b>Odor threshold:</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Flash point:</b> -4°C, 25°F</p> <p><b>Flammability:</b> -4°C, 25°F</p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>Grams VOC less water:</b> 99, 0.826 lbs/gal</p> <p><b>Density:</b> 1.10</p> <p><b>Autoignition temperature:</b> N/A</p>
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## Section 10 - Stability and Reactivity

The product is stable in normal conditions of storage and use recommendations.  
**STABLE**

**Thermal decomposition/conditions to be avoided:** No decomposition if used and stored according to specifications.

No dangerous decomposition products known.

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

### Mixture Toxicity

Inhalation Toxicity LC50: 37mg/L

### Component Toxicity

Acute Toxicity:

Inhalation	Skin Contact	Ingestion
Central Nervous System	Skin	

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

## Section 12 - Ecological Information

### Component Ecotoxicity

Styrene	Toxicity to fish NOEC - Pimephales promelas (fathead minnow) - 4 mg/l - 96 h LC50 - Pimephales promelas (fathead minnow) - 32 mg/l - 96 h LOEC - Pimephales promelas (fathead minnow) - 7.6 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 4.7 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae IC50 - Pseudokirchneriella subcapitata (green algae) - 1.4 mg/l - 72 h
Butanone (MEK)	Toxicity to fish mortality NOEC - Cyprinodon variegatus (sheepshead minnow) - 400 mg/l - 96 h LC50 - Pimephales promelas (fathead minnow) - 3,130 - 3,320 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - > 520 mg/l - 48 h EC50 - Daphnia magna (Water flea) - 7,060 mg/l - 24

## Section 13 - Disposal considerations

**DISPOSAL:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of contents and container in accordance with all local, state, and federal regulations.

## Section 14 - Transport Information

<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 364	1263	II	3

## Section 15 - Regulatory Information

This section identifies the safety, health, and environmental regulations specific for the product that is not indicated anywhere else on the SDS.

**⚠ WARNING:** This product can expose you to chemicals including Ethylbenzene, Toluene, Styrene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

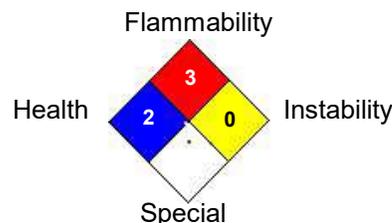
## Section 16 - Other Information

### Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

**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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