

**MATERIAL SAFETY DATA SHEET**

**PRODUCT IDENTIFICATION:** SwitchPly™ Matte Series

**Section I– Chemical Product and Company Identification**

**EMERGENCY PHONE NUMBERS**

Medical: 911  
 Poison Control: 800 - 589-3897

**Product Description:** Classic Series  
 Product Synonym(s): Film-stamped ABS  
 Chemical Family: Polymer  
 Chemical Formula: Mixture  
 Chemical Name: Mixture  
 EPA Reg Number:  
 Product Use: Signage, Other

**Section II– Composition/Information on Ingredients**

<u>Ingredient Name</u>	<u>CAS Registry Number</u>	<u>Typical Wt. %</u>	<u>OSHA</u>
Acrylonitrile/butadiene/styrene resin	9003-56-9	90-100%	
Aluminum Flake	7429-90-5	1-5%	
Carbon Black	1333-86-4	1-5%	
Copper	7440-50-8	1-5%	
May contain the following:			
Mineral Oil	008042-47-5	0-2%	
Tallow	008030-12-4	0-2%	
Wax	000110-30-5	0-2%	

The substance(s) marked with a “Y” in the OSHA column are identified as hazardous chemicals according to the criteria of the OSHA Hazardous Communication Standard (29 CFR 1910.1200).

While this material is not classified as hazardous under Federal OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

## Section III – Hazardous Identification

### Emergency Overview:

APPEARANCE: Various colors; Characteristic odor

### Potential Health Effects:

EYE: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Essentially non-irritating to the skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns. No adverse effects anticipated by skin absorption.

INGESTION: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

INHALATION: Dust may cause irritation to upper respiratory tract (nose and throat).

## Section IV – First Aid

INHALATION IRRITATION : Move person to fresh air; if effects occur, consult a physician

EYES : Flush eyes with plenty of water; remove contact lenses after the first 12 minutes, then continue flushing for several minutes. Only mechanical effects expected.

SKIN CONTACT : If molten material comes in contact with the skin, do not apply ice, but cool under ice water or running stream of water. DO NOT attempt to remove the material from skin. Removal could result in severe tissue damage.

## Section V – Fire and Explosive Hazard

### Fire and Explosive Properties

Auto-Ignition Temperature: N/A

Flash Point: N/A

Flammable Limits: Upper: N/A

Lower: N/A

### EXTINGUISHING MEDIA:

Use water spray, carbon dioxide, foam or dry chemical.

### FIRE FIGHTING INSTRUCTIONS:

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.



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## Section V– Fire and Explosive Hazard (cont'd.)

### FIRE AND EXPLOSION HAZARDS:

Heated Material can form flammable vapors with air - can include carbon monoxide, carbon dioxide, small quantities of nitric oxides (NOx), trace levels of hydrogen chloride and acetic acid.

## Section VI– Accidental Release Measures

**PROTECT PEOPLE:** Chips or dust may present a slipping hazard.

**CLEAN -UP:** Sweep up chips or dust in a waste disposal container. Flush area with water.

## Section VII – Handling and Storage

**HANDLING :** Good housekeeping and controlling dusts are necessary for safe handling of product. Workers should be protected from the possibility of contact with molten resin during fabrication. Large masses of molten polymer held at elevated temperatures for extended periods of time may auto ignite.

**STORAGE :** Store horizontally in a dry place.

## Section VIII – Exposure Controls/ Personal Protective Equipment

**EXPOSURE CONTROLS:** Adequate ventilation in work area is needed due to dust or vapors created during fabrication.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

**EYE/FACE PROTECTION:** Safety glasses or face shield should be used. If exposed to dust, chemical glasses may be required.

**SKIN PROTECTION:** No precautions other than clean body covering clothing should be needed. Use insulated gloves for thermal protection, when desired.

**RESPIRATORY PROTECTION:** In dusty atmospheres, use an approved respirator.

## Section IX– Physical Data

**APPEARANCE/ODOR:** Various colors, characteristic odor

**BOILING POINT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**SPECIFIC GRAVITY:** 1.05 - 1.12



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## Section X– Stability and Reactivity

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Avoid temperatures above 572 degrees F (300 degrees C). Such exposure can cause product to decompose.

## Section XI– Toxicology Information

No data available.

## Section XII – Ecological Information

MOVEMENT & PARTITIONING: No bio concentration is expected because of the relatively high molecular weight (MW>1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

DEGRADATION & PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photo degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic, but chips may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

## Section XIII – Disposal Considerations

Disposal must be in accordance with applicable governmental regulations.

## Section XIV – Transport Information

DEPARTMENT OF TRANSPORTATION (D.O.T): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.

## Section XV– Regulatory Information

(Not meant to be all-inclusive – selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date show above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the



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purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

## Section XV – Regulatory Information (cont'd)

### U.S. REGULATIONS

SARA 313 INFORMATION: This product may contain chemicals which are listed in Section 313 above the minimum concentration.

Aluminum  
Copper

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product may contain trace levels of a component or components known to the state of California to cause birth defects or other reproductive harm:

Toluene  
Mercury

This product may contain trace levels of components known to the state of California to cause cancer:

Antimony (3+) Trioxide  
Arsenic  
Cadmium  
Chromium (6+)  
3,3'-Dichlorobenzidine  
Ethyl Acrylate  
Formaldehyde  
Lead  
Nickel  
Selenium Sulphide

### TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of New Jersey.

PENNSYLVANIA RIGHT-TO-KNOW: This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Chromium (3+)  
Formaldehyde



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## Section XV – Regulatory Information (cont'd.)

MASSACHUSETTS RIGHT-TO-KNOW: This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right-to-Know Substance list.

Antimony(3+) Trioxide  
Arsenic  
Cadmium  
Chromium (3+), (6+)  
3,3'-Dichlorobenzidine  
Formaldehyde  
Lead  
Nickel  
Vinyl Acetate

## ADDITIONAL INFORMATION

NFPA HAZARD RATING (National Fire Protection Association):

FIRE: Materials that must be preheated before ignition can occur

HEALTH: Materials that under emergency conditions would offer no hazard beyond that of ordinary combustible materials.

REACTIVITY: Materials that, in themselves are normally stable, even under fire exposure conditions.

	Health 0	Fire 1	
		Special–	0 Reactivity

REASON FOR ISSUE:

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