



SAFETY DATA SHEET

Document Dates:

Origination: <i>15-Apr-2016</i>	Last Regulatory Review <i>22-Jan-2021</i>	Print Date: <i>22-Jan-2021</i>
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1. IDENTIFICATION

Product identifier

Product Id: **63W3331**
Product Name: **BRIGHT WHITE ABS**

Other means of identification

CAS Number: Mixture
Synonyms: None
Supplied By: Penn Color, Inc.
400 Old Dublin Pike
Doylestown, PA 18901

Recommended use of the chemical and restrictions on use

Recommended Use: FOR INDUSTRIAL USE ONLY!
Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer: Penn Color, Inc. 400 Old Dublin Pike Doylestown, PA 18901	Company Phone Number: 1 (215) 997-2221	Facsimile: 1 (215) 822-5801
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Contact Point Product Stewardship Team
SDS Inquiries: msds@penncolor.com
Regulatory Inquiries: regulatory@penncolor.com
Web Address: www.penncolor.com

Emergency Telephone Number:

Chemtrec USA: 1 (800) 424-9300 or +1 (703) 527-3887

Chemtrec Registrant Identifier:

Penn Color, Inc. CCN - 16979

2. Hazard(s) Identification

Classification

Dangerous substance or mixture according to the Globally Harmonized System (GHS)

Reproductive toxicity	Category 2
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Label elements

Classification

Dangerous substance or mixture according to the Globally Harmonized System (GHS)

Signal word

WARNING

Hazard statements

Suspected of damaging fertility or the unborn child



Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information:

Unknown acute toxicity	0 % of the mixture consists of ingredient(s) of unknown toxicity
Acute oral toxicity	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
Acute dermal toxicity	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
Acute inhalation toxicity - gas	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
Acute inhalation toxicity - vapor	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
Acute inhalation toxicity - dust/mist	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

			For Reference Only	
Chemical Name	CAS No.	Weight-%	Classification according to	Specific concentration limit

			Regulation (EC) No. 1272/2008 [CLP]	(SCL)
Styrene	100-42-5	0.1 - < 0.25	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Flam. Liq. 3 (H226) Repr. 2 (H361d) Skin Irrit. 2 (H315) STOT RE 1 (H372)	

4. FIRST AID MEASURES

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin contact	Wash skin with soap and water
Inhalation	Remove to fresh air
Ingestion	Clean mouth with water and drink afterwards plenty of water

Most important symptoms and effects, both acute and delayed

Symptoms	No information available
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
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Unsuitable extinguishing media	Caution: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	No information available
Hazardous combustion products	Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic compounds.
<u>Explosion data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up	Pick up and transfer to properly labeled containers.
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Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations
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7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice Avoid contact with skin, eyes or clothing Do not eat, drink or smoke when using this product Remove contaminated clothing and shoes
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Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up

Incompatible materials None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	Alberta	British Columbia	Ontario TWA	Quebec
Titanium Dioxide 13463-67-7 65 - < 85			TWA: 10 mg/m ³	
Styrene 100-42-5 0.1 - < 0.25			TWA: 35 ppm STEL: 100 ppm	

Note:

For more information regarding the hazards of titanium dioxide, please see **Section 11**.

For more information regarding the hazards of styrene, please see **Section 11**.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Do not eat, drink or smoke when using this product
Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State:	Solid
Appearance:	Pellets
Color	white
Odor:	No information available
Odor Threshold:	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	no data available	None known
Melting point / freezing point	no data available	None known
Boiling point / boiling range (° C)	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability (solid, gas)	no data available	None known
Flammability Limit in Air		
Upper flammability or explosive limits	no data available	None known
Lower flammability or explosive limits	no data available	None known
Vapor Pressure	no data available	None known
Vapor Density	no data available	None known
Relative Density	no data available	None known
Water Solubility	no data available	None known
Solubility in Other Solvents	no data available	None known
Partition Coefficient: n-octanol / water	no data available	None known
Autoignition temperature	no data available	None known
Decomposition temperature	no data available	None known
Kinematic Viscosity	no data available	None known
Dynamic viscosity	no data available	None known

Other Information

Explosive properties	no data available.
Oxidizing properties	no data available.
Softening Point	no data available
Liquid Density (lb / Gallon)	no data available

Bulk Density no data available

10. STABILITY AND REACTIVITY

Reactivity Stable.

Chemical stability Stable under normal conditions

Possibility of Hazardous Reactions None under normal processing

Conditions to avoid None known based on information supplied

Incompatible materials None known based on information supplied

Hazardous Decomposition Products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available

Eye contact Specific test data for the substance or mixture is not available

Skin contact Specific test data for the substance or mixture is not available

Ingestion Specific test data for the substance or mixture is not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Numerical Measures of Toxicity

Acute Toxicity

Unknown Acute Toxicity

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Acute oral toxicity	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
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Acute inhalation toxicity - gas	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Styrene 100-42-5	= 1000 mg/kg (Rat)		= 11.7 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation	Causes serious eye irritation
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH:	IARC	NTP:	OSHA:
Titanium Dioxide 13463-67-7		Group 2B - Monograph 93 [2010] Group 2B - Monograph 47 [1989]		X
Styrene 100-42-5		Group 2B - Monograph 82 [2002] Group 2B - Monograph 60 [1994]	Reasonably Anticipated	X

Legend

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Other information

This product has not been reviewed for carcinogenicity by IARC, NTP, OSHA or ACGIH. It contains titanium dioxide which is not listed as a carcinogen by NTP, OSHA, or ACGIH. However, in 2006, IARC released Monograph Vol. 93 in which it reclassified titanium dioxide from not classifiable as to its carcinogenicity to humans (Group 3) to possibly carcinogenic to humans (Group 2B). The reclassification was based on two studies in which rats were exposed to extremely high concentrations of titanium dioxide pigment powders in a closed chamber for extended periods of time. It is important to note that the results of epidemiology studies which evaluated more than 20,000 titanium dioxide industry workers in Europe and the US did NOT suggest a carcinogenic effect from titanium dioxide dust on the human lung or mortality from other chronic diseases including respiratory diseases not associated with titanium dioxide dust. Based upon the results of these studies, the pigment manufacturer(s) conclude that TiO₂ will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace. For additional information, see **Section 15**. This product has not been reviewed for carcinogenicity by IARC, NTP or OSHA. However, it contains styrene which is considered hazardous. There is sufficient evidence that styrene oxide, a possible metabolite of styrene is carcinogenic. However, IARC determined that there was insufficient evidence for the carcinogenicity of styrene in humans and that only limited evidence for the carcinogenicity of styrene in experimental animals.. IARC has classified styrene as possibly carcinogenic to humans (Group 2B).

Reproductive toxicity	Classification based on data available for ingredients
Developmental Toxicity	No information available.
Teratogenicity	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Target Organ Effects	No information available.
Subchronic Toxicity	No information available.

Neurological Effects No information available.

Other Adverse Effects No information available.

Aspiration hazard No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae / Aquatic Plants:	Fish:	Toxicity to Microorganisms	Crustacea:
Styrene 100-42-5	1.4: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.15 - 3.2: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.46 - 4.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.72: 96 h Pseudokirchneriella subcapitata mg/L EC50			3.3 - 7.4: 48 h Daphnia magna mg/L EC50

Persistence and Degradability No information available.

Bioaccumulation

Component Information

Chemical Name	Partition Coefficient:
Styrene 100-42-5	2.95

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

TDG:

Status: Not regulated

USDOT:

Status: Not regulated

ICAO / IATA:

Status: Not regulated

IMO:

Status: Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer No information available

The Stockholm Convention on Persistent Organic Pollutants No information available

The Rotterdam Convention

No information available

International Inventories:

Australia	All of the ingredients are listed on or compliant with the AICS Inventory.
Canada:	All of the ingredients are listed on or compliant with the DSL Inventory.
China:	All of the ingredients are listed on or compliant with the IECSC Inventory.
Europe:	For further information regarding the REACH compliance of this product, please contact Product Stewardship Team.
Japan:	All of the ingredients are listed on or compliant with the ENCS Inventory.
Korea:	One or more of the ingredients are not listed or compliant with the KECL Inventory.
New Zealand:	All of the ingredients are listed on or compliant with the NZIoC Inventory.
Philippines:	All of the ingredients are listed on or compliant with the PICCS Inventory.
Taiwan:	One or more of the ingredients are not listed on or compliant with the TCS Inventory.
United States:	All of the ingredients are listed on or compliant with the TSCA Inventory.

Legend:

AICS - Australia Inventory of Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
IECSC - China Inventory of Existing Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemical Substances.
PICCS - Philippines Inventory of Chemicals and Chemical Substances
TCSI - Taiwan Chemical Substances Inventory
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

16. OTHER INFORMATION

HMIS Health Rating:

HEALTH:	1*
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	X

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

Document Dates:

Origination:	15-Apr-2016
Last Regulatory Review	22-Jan-2021
Print Date:	22-Jan-2021

Revision Note:

Revision Date:	22-Jan-2021
Revision Number:	1
Reason for Revision:	No information available

Disclaimer

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End of Safety Data Sheet