



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
the 2024 OSHA Hazard Communication Standard.
(29 CFR § 1910.1200).

Date of document

Origination 30-Apr-2025	Last Regulatory Review 30-May-2025	Print 30-May-2025
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1. IDENTIFICATION

Product identifier

Product identifier 88S11424
Product Name Munsell Aqua PVC Dispersion

Other means of identification

CAS Number: Mixture
Synonyms None
Supplied By Penn Color, Inc.
2801 Richmond Road
Hatfield, PA 19440

Recommended use of the chemical and restrictions on use

Recommended Use FOR INDUSTRIAL USE ONLY!
Restrictions on use No information available
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer: Penn Color, Inc.
2801 Richmond Road
Hatfield, PA 19440
Company Phone Number +1 (215) 997-2221
Facsimile +1 (215) 822-5801

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 In-Country

Argentina: +54 11 5983-9431

Brazil: Rio De Janeiro +55 21 3958-1449

Brazil: Sao Paulo +55 11 4349-1359

Brazil: Toll Free - Mobile Enabled 0800 892 0479

Chile: Santiago +56 2 2581 4934

Colombia: Bogota +57 601 7942539

Columbia: Toll Free 01-800-7102151

Chemtrec Registrant Identifier:

Penn Color, Inc. CCN - 16979

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin sensitization	Category 1
Reproductive toxicity	Category 1B

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements



Signal word

Danger

Hazard statements

May cause an allergic skin reaction.

May damage 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/clothing and eye/face protection
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information:

Other hazards Harmful to aquatic life with long lasting effects

Numerical measures of toxicity**Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	99,999.00 mg/kg
ATEmix (dermal)	99,999.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	99,999.00 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

Unknown acute toxicity

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	For Reference Only	
			Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Butyl Tin tris(laryl mercaptide)	15666-28-1	0.25 - < 1	Acute Tox. 4 (H312) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	
Trimethylolpropane	77-99-6	0.1 - < 0.25	Repr. 2 (H361df)	
Dibutylbis (dodecylthio) stannane	1185-81-5	0.1 - < 0.25	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Muta. 2 (H341) Repr. 1B (H360FD) Skin Sens. 1 (H317) 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 with soap and water
- May cause an allergic skin reaction
- In the case of skin irritation or allergic reactions see a physician

Inhalation

- Remove to fresh air

Ingestion

- Rinse mouth

Most important symptoms and effects, both acute and delayed

Symptoms	<ul style="list-style-type: none"> • Itching • Rashes • Hives
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Indication of any immediate medical attention and special treatment needed

Note to physicians	<ul style="list-style-type: none"> • May cause sensitization in susceptible persons • Treat symptomatically
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5. FIRE-FIGHTING MEASURES**Extinguishing media**

Suitable Extinguishing Media	<ul style="list-style-type: none"> • CO2, dry chemical, dry sand, alcohol-resistant foam
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Unsuitable extinguishing media	<ul style="list-style-type: none"> • CAUTION: Use of water spray when fighting fire may be inefficient
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Specific hazards arising from the chemical	<ul style="list-style-type: none"> • Product is or contains a sensitizer • May cause sensitization by skin contact
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Hazardous combustion products	<ul style="list-style-type: none"> • Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic compounds.
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Explosion data

Sensitivity to mechanical impact	<ul style="list-style-type: none"> • None
Sensitivity to static discharge	<ul style="list-style-type: none"> • None

Special protective equipment and precautions for fire-fighters	<ul style="list-style-type: none"> • Wear self-contained breathing apparatus and protective suit
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6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions	<ul style="list-style-type: none"> • Avoid contact with skin, eyes or clothing • Ensure adequate ventilation
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- Use personal protective equipment as required
- Evacuate personnel to safe areas
- Keep people away from and upwind of spill/leak

For emergency responders • Use personal protection recommended in Section 8

Methods and material for containment and cleaning up

Methods for containment • Prevent further leakage or spillage if safe to do so

Methods for cleaning up • Pick up and transfer to properly labeled containers

Prevention of secondary hazards • Clean contaminated objects and areas thoroughly observing environmental regulations

Reference to other sections • See Section 12 for additional Ecological Information

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
- Ensure adequate ventilation
- In case of insufficient ventilation, wear suitable respiratory equipment
- Do not eat, drink or smoke when using this product
- Take off contaminated clothing and wash before reuse
- Remove contaminated clothing and shoes

Conditions for safe storage, including any incompatibilities

Storage Conditions

- Keep containers tightly closed in a dry, cool and well-ventilated place
- Store locked up

Incompatible materials • None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time,

the other relevant constituents have no known exposure limits from the sources listed here

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Titanium Dioxide 13463-67-7 20 - < 35	TWA: 0.2 mg/m ³ nanoscale respirable particulate matter TWA: 2.5 mg/m ³ finescale respirable particulate matter	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale
Butyl Tin tris(laryl mercaptide) 15666-28-1 0.25 - < 1	TWA: 0.1 mg/m ³ Sn STEL: 0.2 mg/m ³ Sn pSk	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) Sk*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn
Dibutylbis (dodecylthio) stannane 1185-81-5 0.1 - < 0.25	TWA: 0.1 mg/m ³ Sn STEL: 0.2 mg/m ³ Sn pSk	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) Sk*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn

Note

Some sensitizers may elicit a response in individuals who are already sensitised to a substance or mixture. The response can occur when the sensitizer is present in an amount that is below the classification concentrations established in regulations.

Appropriate engineering controls

Engineering controls • Showers, eyewash stations, and ventilation systems

Individual protection measures, such as personal protective equipment

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

Eye/face protection • Wear safety glasses with side shields (or goggles)

Hand protection • Wear suitable gloves

Skin and body protection • Wear suitable protective clothing

Respiratory protection • When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid
Appearance	Pellets
Color	blue
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
pH (as aqueous solution)		None known
Melting point / freezing point	No data available	No information available
Boiling point / boiling range	No data available	None known
°C		
Flash point	No data available	Closed Cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	None known
Decomposition temperature		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
Molecular weight	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable
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Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None under normal processing
Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation, freezing temperatures.
Incompatible materials	None known based on information supplied
Hazardous decomposition products	Thermal decomposition can lead to release of irritating and toxic gases and vapors

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	May cause sensitization by skin contact Specific test data for the substance or mixture is not available Repeated or prolonged skin contact may cause allergic reactions with susceptible persons (based on components)
Ingestion	Specific test data for the substance or mixture is not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Itching Rashes Hives
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Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	99,999.00	mg/kg
ATEmix (dermal)	99,999.00	mg/kg
ATEmix (inhalation-gas)	99,999.00	ppm
ATEmix (inhalation-dust/mist)	99,999.00	mg/l
ATEmix (inhalation-vapor)	99,999.00	mg/l

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

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	> 2000 mg/kg (Rat)		> 5.09 mg/L (Rat) 4 h
Trimethylolpropane 77-99-6	= 14100 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 0.85 mg/L (Rat) 4 h
Dibutylbis (dodecylthio) stannane 1185-81-5		1000 - 2000 mg/kg (Rabbit)	

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

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Respiratory or skin sensitization May cause an allergic skin reaction

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	A3	Group 2B		X
Paraffinic Solvent	A2	Group 1		X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Occupational Safety and Health Administration of the US Department of Labor

X - Present

Reproductive toxicity	Contains a known or suspected reproductive toxin Classification based on data available for ingredients May damage fertility or the unborn child
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 Harmful to aquatic life with long lasting effects

Component Information

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Trimethylolpropane 77-99-6				EC50: =13000mg/L (48h, Daphnia species) EC50: 10330 - 16360mg/L (48h, Daphnia magna)

Persistence and degradability No information available

Bioaccumulation There is no data for this product

Component Information

Chemical name	Partition coefficient
Trimethylolpropane 77-99-6	-0.47
Dibutylbis (dodecylthio) stannane 1185-81-5	3.11

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

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste

Component Information

Chemical name	California Hazardous Waste Status
Butyl Tin tris(laryl mercaptide) 15666-28-1	Toxic
Dibutylbis (dodecylthio) stannane 1185-81-5	Toxic

14. TRANSPORT INFORMATION

USDOT

Status Not regulated

ICAO (air)

Status Not regulated

IMO

Status Not regulated

15. REGULATORY INFORMATION

International Inventories:

United States: All components of this product are designated as “Active” on the TSCA Inventory or are not required to be listed.

Inventory Note For additional global inventory information, please contact the Product Stewardship Team at regulatory@penncolor.com

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations:

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No

Reactive Hazard

No

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Titanium Dioxide 13463-67-7	Carcinogen

Note:

The listing of titanium dioxide in the CA PROP 65 REGULATION specifically pertains to airborne, unbound, titanium dioxide particles of respirable size, meaning that all three criteria must be met before titanium dioxide would be considered a carcinogen according to the requirements of CA PROP 65. Our products, in the form provided (liquid, paste or pellets), do not contain titanium dioxide in a powder form, and it is not expected that titanium dioxide particles of respirable size would be generated during normal use of this product.

This product may contain trace levels of metal impurities that are on the California Proposition 65 list. This product may also contain other substances on the California Prop 65 list at levels below 1000 ppm. For some of these substances, their listings are qualified as specifically relating to airborne, unbound particles of respirable size. If additional information is needed please send a request to regulatory@penncolor.com.

For additional information, see **Section 11**.

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	Massachusetts	New Jersey	Pennsylvania	Pennsylvania RTK - Special Hazardous Substances:
Titanium Dioxide 13463-67-7	X	X	X	
Paraffinic Solvent	X			

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

HMIS

Health hazards

2 *

Flammability

0

Physical hazards 0
PERSONAL PROTECTION: X

Chronic Hazard Star Legend * = *Chronic Health Hazard*

Key literature references and sources for data used to compile the SDS

- Supplier documentation
- Process documentation

Date of document

Origination 30-Apr-2025
Last Regulatory Review 30-May-2025
Print Date 30-May-2025

Revision Note:

Revision Date 30-Apr-2025
Revision Number 1
Reason for Revision No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet