



# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations  
Date of Issue: 03/10/2025

Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** ATAC Seam Sealer

**Part Number:** 50213

#### 1.2 Recommended Use and Restrictions on Use

**Use of the Substance/Mixture:** Modified Polyurethane Structural Adhesive

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Company

Design Engineering Inc

604 Moore Rd

Avon Lake, Ohio 44012

1-440-930-7940

Website: [www.designengineering.com](http://www.designengineering.com)

Email: [Sales@designengineering.com](mailto:Sales@designengineering.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : VelocityEHS  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US Classification

Serious eye damage/eye irritation, Category 2 H319

Skin sensitization, Category 1 H317

Reproductive toxicity, Category 1B H360

Hazardous to the aquatic environment — Acute Hazard, Category 2 H401

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

#### 2.2. Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Danger

##### Hazard Statements (GHS-US)

: H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H360 - May damage fertility or the unborn child (Characteristic syndrome of oropharyngeal malformations).  
H411 - Toxic to aquatic life with long lasting effects.

##### Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing spray, vapors, mist.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - If in eyes: Rinse cautiously 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.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.  
P337+P313 - If eye irritation persists: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

- P391 - Collect spillage.
- P405 - Store locked up.
- P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3 Hazards associated with known or reasonably anticipated uses

(If this product is used in unforeseeable chemical processes and not used as intended or reasonable, the hazards listed in Section 2.3 cannot cover all chemistries. Therefore, a Process Hazard Analysis (PHA) or other hazard assessment for additional specific end uses should be performed to ensure that hazards are fully understood, and adequate safety measures are in place. See Section 10 for relevant reactivity and stability information)

### 2.4. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.5. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Carbonic acid, calcium salt (1:1)	C.I. Pigment White 18 / Calcium carbonate / Pigment White 18 / C.I. 77220 / Carbonic acid, calcium salt / CALCIUM CARBONATE / CI 77220 / calcium carbonate	(CAS-No.) 471-34-1	50 – 55	Not classified.
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy]-	.alpha.,.omega.-Bis{3-[methyl(dimethoxy)silyl]propyl}poly(n=260-800)oxypropylene / .alpha.-[3-(Dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy]-poly[oxy(methyl-1,2-ethanediyl)]	(CAS-No.) 75009-88-0	25 – 35	Not classified.
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	DINP-1 / Di(C8-10-branched, C9-rich alkyl) phthalate / Phthalic acid, di-C8-10-branched alkyl esters, C9-rich / Phthalic acid, diesters with saturated C8-10-branched alcohols, C9-rich / Phthalic acid, diesters with saturated C8-10 branched alcohols, above 60% C9 / Di(C8-10, C9-rich) branched alkyl phthalates / Diisononyl phthalate	(CAS-No.) 68515-48-0	12 – 15	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Titanium dioxide	C.I. 77891 / C.I. Pigment White 6 / Titanium oxide (TiO2) / CI 77891 / Titanium(IV) oxide / C.I. Pigment White 7 / Pigment White 6 / Titanium oxide	(CAS-No.) 13463-67-7	1 – 2	Not classified.
Silane, ethenyltrimethoxy-	Ethenyltrimethoxysilane / Silane, trimethoxyvinyl- / Trimethoxyvinylsilane / Vinyltrimethoxysilane / Ethenyl(trimethoxy)silane / Trimethoxy(vinyl)silane	(CAS-No.) 2768-02-7	0.5 – 1.5	Flam. Liq. 3, H226

# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	Ethane-1,2-diamine, N-[3-(trimethoxysilyl)propyl]- / 1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]- / Ethylenediamine, N-(3-(trimethoxysilyl)propyl)- / N-(3-(Trimethoxysilyl)propyl)ethylene diamine / Ethylenediamine, N-[3-(trimethoxysilyl)propyl]- / 1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]- / 1,2-Ethanediamine, N-(3-(trimethoxysilyl)propyl)- / 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- / 3-(2-Aminoethylamino)propyltrimethoxysilane / N1-[3-(Trimethoxysilyl)prop-1-yl]ethane-1,2-diamine / (Trimethoxysilylpropyl)ethylenediamine / N-.beta.-(Aminoethyl)-.gamma.-aminopropyltrimethoxysilane / N-[3-(Trimethoxysilyl)propyl]ethylene diamine	(CAS-No.) 1760-24-3	0.5 – 1.5	Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Dibutyltin dilaurate	Bis(lauroyloxy)di(n-butyl)stannane / Dibutylbis(lauroyloxy)tin / Dibutyltin didodecanoate / Dibutyltin laurate / Stabilizer D-22 / Stannane, bis(dodecanoyloxy) di-n-butyl- / Stannane, bis(lauroyloxy)dibutyl- / Stannane, dibutylbis(lauroyloxy)- / Stannane, dibutylbis[(1-oxododecyl)oxy]- / Tin dibutyl dilaurate / Tin dilaurate, dibutyl / Tin, di-n-butyl-, di(dodecanoate) / Tin, dibutylbis(lauroyloxy)- / TN 12 (catalyst) / Dodecanoic acid, 1,1'-(dibutylstannylene) ester / Dibutylbis [(1-oxododecyl)oxy]-stannane / Ditin butyl dilaurate / Dibutyltin didodecylate / Dibutylbis((1-oxododecyl)oxy)stannane	(CAS-No.) 77-58-7	0.1 – 0.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

ATAC Seam Sealer

Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester	Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) / Fenozan 32 / Pentaerythrityl tetrakis(3,5-di-tert-butyl-4-hydroxyhydrocinnamate) / Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-[2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl] ester / Irganox 1010 / Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, tetraester with pentaerythritol / Hydrocinnamic acid, 3,5-di-tert-butyl-4-hydroxy-, neopentetetrayl ester / Pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] / Tetrakis[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]methane / 2,2-Bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl-3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoate / PENTAERYTHRITYL TETRA-DI-T-BUTYL HYDROXYHYDROCINNAMATE / Pentaerythrityl tetra-di-tert-butyl hydroxyhydrocinnamate / Pentaerythritol, tetrakis(3,5-di-tert-butyl-4-hydroxyhydrocinnamate) / 2,2-Bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl-3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoate / Tetrakis[methylene-3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate]methane / Pentaerythritoltetrakis(3,5-di-tert-buthyl-4-hydroxyhydrocinnamate) / PENTAERYTHRITYL TETRA-DI-T-BUTYL HYDROXYHYDROCINNAMATE / Pentaerythrityl tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] / Tetrakis[methylene-3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate]methane / Pentaerythrityl tetra-di-t-butyl hydroxyhydrocinnamate	(CAS-No.) 6683-19-8	0.3	Combustible Dust
Tin organic compounds	Tin compounds, organic / Tin, organic compounds / Organic tin compounds / Organic tin	(CAS-No.) Not applicable		Not classified.

Full text of H-phrases: see section 16

\* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the 29 CFR 1910.1200. Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. If exposed or concerned: Get medical advice/attention.

**First-aid Measures After Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Causes serious eye irritation. Skin sensitization. May damage fertility or the unborn child (Characteristic syndrome of oropharyngeal malformations)..

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated and prolonged exposure may cause an allergic skin reaction. May damage fertility or the unborn child (Characteristic syndrome of oropharyngeal malformations)..

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Calcium oxides. Titanium oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

##### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

#### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

#### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

# ATAC Seam Sealer

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Titanium dioxide is bound in the liquid matrix of the product, if dried and respirable dust is created: repeated or prolonged exposure to titanium dioxide dust via inhalation is suspected of causing cancer of the respiratory tract.

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, or vapors, dust. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Modified Polyurethane Structural Adhesive

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Carbonic acid, calcium salt (1:1) (471-34-1)		
USA NIOSH	NIOSH REL TWA	10 mg/m³ (total dust) 5 mg/m³ (respirable dust)
Titanium dioxide (13463-67-7)		
USA ACGIH	ACGIH OEL TWA	0.2 mg/m³ (nanoscale respirable particulate matter) 2.5 mg/m³ (finescale respirable particulate matter)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA NIOSH	NIOSH REL TWA	2.4 mg/m³ (CIB 63-fine) 0.3 mg/m³ (CIB 63-ultrafine, including engineered nanoscale)
USA IDLH	IDLH	5000 mg/m³
USA OSHA	OSHA PEL TWA	15 mg/m³ (total dust)
Tin organic compounds (Not applicable)		
USA ACGIH	ACGIH OEL TWA	0.1 mg/m³
USA ACGIH	ACGIH OEL STEL	0.2 mg/m³
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL TWA	0.1 mg/m³ (except Cyhexatin)
USA IDLH	IDLH	25 mg/m³ (except Cyhexatin)
USA OSHA	OSHA PEL TWA	0.1 mg/m³

### 8.2. Exposure Controls

**Appropriate Engineering Controls**

**Personal Protective Equipment**

**Materials for Protective Clothing**

**Hand Protection**

**Eye and Face Protection**

**Skin and Body Protection**

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.





: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

: Chemically resistant materials and fabrics.

: Wear protective gloves.

: Chemical safety goggles or safety glasses with side shields.

: Wear suitable protective clothing.



# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

Respiratory Protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	: When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Color	: Black paste
Odor	: No data available
pH	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: 1.42
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity, Kinematic	: No data available
Particle Aspect Ratio	: Not applicable
Particle Aggregation State	: Not applicable
Particle Agglomeration State	: Not applicable
Particle Specific Surface Area	: Not applicable
Particle Dustiness	: Not applicable

#### 9.2. Other Information

No additional information available

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

#### 10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of Hazardous Reactions, Including those Associated with Foreseeable Emergencies

Hazardous polymerization will not occur.

#### 10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

#### 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

#### 10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Calcium oxides. Oxides of titanium.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects

Likely Routes of Exposure:

Acute Toxicity (Oral): Not classified.

Acute Toxicity (Dermal): Not classified.

Acute Toxicity (Inhalation): Not classified.

Carbonic acid, calcium salt (1:1) (471-34-1)	
LD50 Oral Rat	6450 mg/kg (Source: NLM_CIP)
LD50 Dermal Rat	> 2000 mg/kg (Source: ECHA_API)
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)	
LD50 Oral Rat	> 10000 mg/kg (Source: EPA_HP_V)

# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

LD50 Dermal Rabbit	> 3160 mg/kg (Source: EPA_HP)
LC50 Inhalation Rat	> 4.4 mg/l/4h
Titanium dioxide (13463-67-7)	
LD50 Oral Rat	> 2000 mg/kg (Source: ECHA)
LC50 Inhalation Rat	> 5.09 mg/l/4h
Silane, ethenyltrimethoxy- (2768-02-7)	
LD50 Oral Rat	7340 µl/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	3158 mg/kg
LC50 Inhalation Rat	16.8 mg/l/4h
LC50 Inhalation Rat	11 mg/l/4h
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)	
LD50 Oral Rat	2413 mg/kg (Source: EPA_HP)
LD50 Dermal Rabbit	> 2009 mg/kg (Source: ECHA_API)
LC50 Inhalation Rat	1.49 – 2.44 mg/l/4h
Dibutyltin dilaurate (77-58-7)	
LD50 Oral Rat	175 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	0.075 mg/l/4h
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (6683-19-8)	
LD50 Oral Rat	> 10250 mg/kg (Source: CHEMVIEW)
LD50 Dermal Rabbit	> 3160 mg/kg (Source: CHEMVIEW)

**Skin Corrosion/Irritation:** Not classified.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

Titanium dioxide (13463-67-7)	
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

**Reproductive Toxicity:** Characteristic syndrome of oropharyngeal malformations

.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated and prolonged exposure may cause an allergic skin reaction. May damage fertility or the unborn child (Characteristic syndrome of oropharyngeal malformations)..

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

**Ecology - General** : Toxic to aquatic life with long lasting effects.

1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)	
LC50 Fish 1	0.42 mg/l (Exposure time: 96 h - Species: Ictalurus punctatus [flow-through] Source: IUCLID)
EC50 - Crustacea [1]	> 0.086 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	> 0.16 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: IUCLID)
Silane, ethenyltrimethoxy- (2768-02-7)	
LC50 Fish 1	191 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [not specified] Source: ECHA)



ATAC Seam Sealer

Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

EC50 - Crustacea [1]	168.7 mg/l
NOEC Chronic Algae	10 mg/l
Dibutyltin dilaurate (77-58-7)	
EC50 - Crustacea [1]	< 463 µg/l (Exposure time: 48 h - Species: Daphnia magna)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (6683-19-8)	
LC50 Fish 1	> 100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio Source: IUCLID)

12.2. Persistence and Degradability

ATAC Seam Sealer	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

ATAC Seam Sealer	
Bioaccumulative Potential	Not established.
Carbonic acid, calcium salt (1:1) (471-34-1)	
BCF Fish 1	(no bioaccumulation)
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)	
Partition coefficient n-octanol/water (Log Pow)	8.8 – 9.7 (at 25 °C / 77 °F) (at pH 4.6)
Dibutyltin dilaurate (77-58-7)	
Partition coefficient n-octanol/water (Log Pow)	4.44 (at 20.8 °C / 69 °F) (at pH 6.1-6.3)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (6683-19-8)	
Partition coefficient n-octanol/water (Log Pow)	23 (at 25 °C / 77 °F)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : 1,2-BENZENEDICARBOXYLIC ACID, DI-C8-10-BRANCHED ALKYL ESTERS, C9-RICH ; DIBUTYLTIN DILAURATE)
Hazard Class	: 9
Identification Number	: UN3082
Label Codes	: 9
Packing Group	: III
Marine Pollutant	: Marine pollutant
ERG Number	: 171



14.2. In Accordance with IMDG

Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : 1,2-BENZENEDICARBOXYLIC ACID, DI-C8-10-BRANCHED ALKYL ESTERS, C9-RICH ; DIBUTYLTIN DILAURATE)
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ATAC Seam Sealer

Safety Data Sheet  
According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

Hazard Class : 9  
Identification Number : UN3082  
Packing Group : III  
Label Codes : 9  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Marine Pollutant : Marine pollutant



14.3. In Accordance with IATA

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : 1,2-BENZENEDICARBOXYLIC ACID, DI-C8-10-BRANCHED ALKYL ESTERS, C9-RICH ; DIBUTYLTIN DILAURATE)  
Packing Group : III  
Identification Number : UN3082  
Hazard Class : 9  
Label Codes : 9  
ERG Code (IATA) : 9L



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

ATAC Seam Sealer	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Serious eye damage or eye irritation Health hazard - Reproductive toxicity
Carbonic acid, calcium salt (1:1) (471-34-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 %
Titanium dioxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Silane, ethenyltrimethoxy- (2768-02-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Dibutyltin dilaurate (77-58-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (6683-19-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

15.2. US State Regulations

Titanium dioxide (13463-67-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

California Proposition 65  
 **WARNING:** This product can expose you to 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)	X			
Titanium dioxide (13463-67-7)	X			

# ATAC Seam Sealer

## Safety Data Sheet

According to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 03/10/2025

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

H226	Flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child (Characteristic syndrome of oropharyngeal malformations).
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

#### Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)	FOOD_JOURN: Food Research Journal (1956)
AU_WES: Australia WES	IARC: The International Agency for Research on Cancer
CHEMVIEW: ChemView (U.S. Environmental Protection Agency)	IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles
EC_RAR: European Commission Renewal Assessment Report	IUCLID: International Uniform Chemical Information Database
EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits	JAPAN_GHS: Japan GHS Basis for Classification Data
ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports	JP_J-CHECK: Japan J-Check
ECHA_API: European Chemicals Agency API	KR_NIER: South Korea National Institute of Environmental Research Evaluations
ECHA_RAC: ECHA Committee for Risk Assessment	NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme
EFSA: European Food Safety Authority	NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)
EPA: U.S. Environmental Protection Agency	NLM_CIP: National Library of Medicine ChemID plus database
EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)	NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank
EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)	NLM_PUBMED: National Library of Medicine PubMed database
EPA_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)	NTP: National Toxicology Program
EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)	NZ_CCID: New Zealand Chemical Classification and Information Database
EU_CLH: European Union Harmonised Classification and Labelling Proposal	OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)
EU_RAR: European Union Risk Assessment Report	OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)
	WHO: World Health Organization

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)