

Acrovyn by Design®

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Safety Data Sheet (SDS)

OSHA Haz Com Standard 29 CFR 1910.1200. Prepared to GHS Rev03. Printing

date 02/05/2014

Reviewed on 02/05/2014

1 Identification

- **Product identifier**
- **Trade name: Acrovyn by Design**
- **CAS Number:**
25640-14-6
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Construction Specialties, Inc.
6696 State Route 405 Muncy, PA 17756
800-233-8493 (For product information)
- **Emergency telephone number:** Chemtrec 800-424-9300

*** 2 Hazard(s) identification**

- **Classification of the substance or mixture**
The substance is not classified according to the Globally Harmonized System (GHS).
- **Additional information:**
This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200. "Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."
- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Information pertaining to particular dangers for man and environment:**
This product is a digitally printed molded or extruded product with no odor. Exposure to this product is not expected to have any adverse health effects when used as intended. It is a non-flammable solid.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

*** 3 Composition/information on ingredients**

- **Chemical characterization: Substances**
- **CAS No. Description**
25640-14-6 Polyethylene terephthalate Glycol (PETG) Copolyester
- **Identification number(s)** Not Applicable
- **Additional information:**
Hazard exempt when in bonded form or when it cannot be released due to cutting, grinding, heating, etc.

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· Dangerous components:		
3076-04-8	Tridecyl acrylate (mixed isomers) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; H401	2.5%≤
84170-74-1	Propoxylated 2,2-dimethylpropane-1,3-diyl diacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	2.5%≤
	Cyclic Trimethylolpropane Formal Acrylate ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5%≤
26570-48-9	Poly(ethylene glycol) diacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	2.5%≤
13463-67-7	titanium dioxide ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	2.5%≤

* 4 First-aid measures

· **Description of first aid measures**· **General information:**

This product does not represent any health hazards. However, dust produced by cutting, sanding, grinding or if dust is produced by any other operation may irritate respiratory tract, eyes and skin.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Give large amounts of water. If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

· **Methods and material for containment and cleaning up:** Pick up mechanically.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.
- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:** Not required.

*** 9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Color	Various colors
Odor:	Odorless
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/Melting range:	220-250 °C (428-482 °F)
Boiling point/Boiling range:	Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Ignition temperature:** >450 °C (>842 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.

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· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density @ 20 °C (68 °F):	1.27 g/cm ³ (10.598 lbs/gal)
· Bulk density @ 20 °C (68 °F):	608.701594 kg/m ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
· NTP (National Toxicology Program)		
Substance is not listed.		

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxic effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Generally not hazardous for water
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- | | |
|--|------------------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Non-Regulated Material |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Non-Regulated Material |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Non-Regulated Material |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

* 15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

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· Section 313 (Specific toxic chemical listings):		
Substance is not listed.		
· TSCA (Toxic Substances Control Act):		
25640-14-6	Polyethylene terephthalate Glycol (PETG) Copolyester	
3076-04-8	Tridecyl acrylate (mixed isomers)	
84170-74-1	Propoxylated 2,2-dimethylpropane-1,3-diyl diacrylate	
13463-67-7	titanium dioxide	
75980-60-8	Diphenyl (2,4,6-trimethylbenzoyl) phosphine Oxide	
60506-81-2	Dipentaerythritol monohydroxy pentaacrylate	
2235-00-9	N-Vinylcaprolactam	
26570-48-9	Poly(ethylene glycol) diacrylate	
10287-53-3	Ethyl 4-(dimethylamino)benzoate	
119313-12-1	2-benzyl-2-dimethylamino-4-morpholinobutyrophenone	
· Proposition 65		
· Chemicals known to cause cancer:		
Substance is not listed.		
· Chemicals known to cause reproductive toxicity for females:		
Substance is not listed.		
· Chemicals known to cause reproductive toxicity for males:		
Substance is not listed.		
· Chemicals known to cause developmental toxicity:		
Substance is not listed.		
· Carcinogenic categories		
· EPA (Environmental Protection Agency)		
Substance is not listed.		
· TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
· OSHA-Ca (Occupational Safety & Health Administration)		
Substance is not listed.		
· GHS label elements Non-Regulated Material		
· Hazard pictograms Non-Regulated Material		
· Signal word Non-Regulated Material		
· Hazard statements Non-Regulated Material		
· National regulations:		
Substance is not listed.		
· State Right to Know		
Substance is not listed.		
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.		

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 02/05/2014 / 8

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

- *** Data compared to the previous version altered.**

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