

Safety Data Sheet

Section 1: Identification

Product Form:	Mixture
Product Name:	VPC-OneStroke
Synonyms:	Resin, Polyurethane Resin

1.2 Intended Use of the Product

Use of the Substance/Mixture:	Use in conjunction with isocyanate component.
For professional use only.	

1.3 Name, Address, and Telephone of the Responsible Party

Company:	Victory Polymers Corp. 1700 Post Oak Boulevard 2 BLVD Place, Suite 600 Houston, TX 77056 U.S.A.
Telephone Number:	1-832-240-7222 / International: 001-832-240-7222
Email:	info@VictoryPolymers.com
Website:	www.VictoryPolymers.com

1.4 Emergency Telephone Number

Emergency Number:	CHEMTREC: 1-703-741-5970
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Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

GHS-US Classification

Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Acute 3	H402
Aquatic Chronic 3	H412

Full text of hazard classes and H-statements: see section 16

2.2 Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US): GHS05



2.2 Label Elements (continued)

Signal Word (GHS-US):	Danger
Hazard Statements (GHS-US):	H315 - Causes skin irritation. H318 - Causes serious eye damage. H402 - Harmful to aquatic life. H412 - Harmful to aquatic life with long-lasting effects.
Precautionary Statements (GHS-US):	P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, and eye 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. P310 - Immediately call a poison center or doctor. P321 - Specific treatment (see section 4 on this SDS). P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

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

2.4 Unknown Acute Toxicity (GHS-US)

No data available

Section 3: Composition/Information on Ingredients
3.1 Substance Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US Classification
Proprietary Ingredient #1	(CAS-No.) Trade secret	10 - 20	Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Proprietary Ingredient #2	(CAS-No.) Trade secret	10 - 20	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 3, H402 Aquatic Chronic 2, H411
Proprietary Ingredient #3	(CAS-No.) Trade secret	5 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Proprietary Ingredient #4	(CAS-No.) Trade secret	1 - 3	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318
Proprietary Ingredient #5	(CAS-No.) Trade secret	0.432 - 0.72	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation: dust, mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Proprietary Ingredient #6	(CAS-No.) Trade secret	0.2005 - 0.401	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

Full text of H-phrases: See Section 16.

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

Section 4: First-Aid Measures

4.1 Description of First-Aid Measures

General Information:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation:	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
Contact:	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
Eye Contact:	Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries:	Causes skin irritation. Causes serious eye damage.
Symptoms/Injuries After Inhalation:	Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact:	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact:	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion:	Ingestion may cause adverse effects.
Chronic Symptoms:	None expected under normal conditions of use.

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: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media:	Water spray, dry chemical, foam, carbon dioxide.
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 ₂). Phosphorus oxides. Corrosive vapors.
Other Information:	Do not allow run-off from firefighting to enter drains or water courses.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

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

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. 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.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid breathing vapors, mist, spray. Do not get in eyes, on skin, or on clothing.
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.
Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3 Specific End Use(s) Use in conjunction with isocyanate component. For professional use only.

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).

Proprietary Ingredient #6

USA AIHA	WEEL TWA (mg/m ³)	10 mg/m ³
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Proprietary Ingredient #5

USA ACGIH	ACGIH TWA (ppm)	0.05 ppm
USA ACGIH	ACGIH STEL (ppm)	0.15 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route

8.2 Exposure Controls

Appropriate Engineering Controls: 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.
Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear protective gloves.
Eye and Face Protection: Chemical safety goggles.
Skin and Body Protection: Wear suitable protective clothing.
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	Auto-ignition Temperature:	No data available
Appearance:	No data available	Decomposition Temperature:	No data available
Odor:	No data available	Flammability (solid, gas):	Not applicable
Odor Threshold:	No data available	Vapor Pressure:	No data available
pH:	No data available	Relative Vapor Density at 20°C:	No data available
Evaporation Rate:	No data available	Relative Density:	No data available
Melting Point:	No data available	Solubility:	No data available
Freezing Point:	No data available	Partition Coefficient: N-Octanol/Water:	No data available
Boiling Point:	No data available	Viscosity:	No data available
Flash Point:	No data available		

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

Contact with isocyanates may cause polymerization.

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

None expected under normal conditions of use.

Section 11: Toxicological Information
11.1 Information on Toxicological Effects

Acute Toxicity: Not classified

<i>Proprietary Ingredient #1</i>		<i>Proprietary Ingredient #2</i>	
LD50 Oral Rat	1500 mg/kg	LD50 Oral Rat	1310 mg/kg
LD50 Dermal Rabbit	>5000 mg/kg		
LC50 Inhalation Rat	>5.05 mg/l/4h		
<i>Proprietary Ingredient #6</i>		<i>Proprietary Ingredient #4</i>	
LD50 Oral Rat	1120 mg/kg	ATE (Oral)	500.00 mg/kg body weight
LD50 Dermal Rabbit	11890 mg/kg	ATE (Dermal)	300.00 mg/kg body weight
LC50 Inhalation Rat	>4600 mg/m ³ (Exposure time: 4 h)		
<i>Proprietary Ingredient #5</i>			
LD50 Oral Rat	910 mg/kg		
LD50 Dermal Rabbit	238 mg/kg		
LC50 Inhalation Rat	0.938 mg/l/4h		
LC50 Inhalation Rat	117 ppm (Exposure time: 6 h)		

11.1 Information on Toxicological Effects (continued)

Skin Corrosion/Irritation:	Causes skin irritation.	Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Serious Eye Damage/Irritation:	Causes serious eye damage.	Aspiration Hazard:	Not classified
Respiratory or Skin Sensitization:	Not classified	Symptoms/Injuries After Inhalation:	Prolonged exposure may cause irritation.
Germ Cell Mutagenicity:	Not classified	Symptoms/Injuries After Skin Contact:	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Carcinogenicity:	Not classified	Symptoms/Injuries After Eye Contact:	Causes permanent damage to the cornea, iris, or conjunctiva.
Reproductive Toxicity:	Not classified	Symptoms/Injuries After Ingestion:	Ingestion may cause adverse effects.
Specific Target Organ Toxicity (Single Exposure):	Not classified	Chronic Symptoms:	None expected under normal conditions of use.

Section 12: Ecological Information
12.1 Toxicity

Ecology — General: Harmful to aquatic life. Harmful to aquatic life with long-lasting effects.

Proprietary Ingredient #1

LC50 Fish 1	56.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	63 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	98 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (Algae)	82 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
NOEC Chronic Algae	6 mg/l

Proprietary Ingredient #2

LC50 Fish 1	11.6 mg/l
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Proprietary Ingredient #6

LC50 Fish 1	75200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	84000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Proprietary Ingredient #5

LC50 Fish 1	131.2 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
EC50 Daphnia 1	102 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
NOEC Chronic Algae	0.26 mg/l

12.2 Persistence and Degradability
VPC-OneStroke

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

12.3 Bioaccumulative Potential
VPC-OneStroke

Bioaccumulative Potential Not established.

Proprietary Ingredient #1

BCF Fish 1	1.9 - 4.6
Log Pow	2.59

Proprietary Ingredient #6

BCF Fish 1	100 - 180
Log Pow	-1.98 (at 25 °C)

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

Not regulated for transport

14.2 In Accordance with IMDG

Not regulated for transport

14.3 In Accordance with IATA

Not regulated for transport

Section 15: Regulatory Information

15.1 U.S. Federal Regulations

VPC-OneStroke	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Proprietary Ingredient #1	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Proprietary Ingredient #2	Listed on the United States TSCA (Toxic Substances Control Act) inventory
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710[C])
Proprietary Ingredient #6	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Proprietary Ingredient #3	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Proprietary Ingredient #5	Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 U.S. State Regulations

Proprietary Ingredient #6	U.S. - Pennsylvania - RTK (Right to Know) List
Proprietary Ingredient #5	U.S. - New Jersey - Right to Know Hazardous Substance List

Section 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest Revision: 02/12/2018

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:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Inhalation: dust, mist)	Acute toxicity (inhalation: dust, mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long-lasting effects
H412	Harmful to aquatic life with long-lasting effects

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.