



Vinyl Profile

SDS Preparation Date (mm/dd/yyyy): 07/25/2016

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **Vinyl Profile**

**Product Code(s)** : Various

**Recommended use of the chemical and restrictions on use**

: Rigid PVC vinyl profiles used in building product applications. .

**Chemical family**

: Article. This article is an extruded, rigid PVC compound used to make various products, such as window and door frames, in a wide range of colors.

**Name, address, and telephone number of the supplier:**

**Vision Extrusions Group, Ltd.**

201 Zenway Boulevard  
Woodbridge, ON, Canada  
L4H 3H9

Supplier's Telephone # : (905) 265-9970

**24 Hr. Emergency Tel #** : Not available.

**Name, address, and telephone number of the manufacturer:**

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Solid article, no odour.

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

This product is considered to be a 'manufactured article'.

The hazard information in this SDS is being provided for informational purposes only, should the article become damaged and its contents are released.

**Label elements**

*Signal Word*

None required.

*Hazard statement(s)*

None required.

*Precautionary statement(s)*

None required.

**Other hazards**

Other hazards which do not result in classification:

Note: Under normal conditions of use, users of the product cannot be exposed to its harmful contents.

When heated to decomposition, toxic vapours are emitted.

Dust may irritate the respiratory tract, skin and eyes.

Ecological information:

Not expected to be harmful to aquatic organisms. Avoid release to the environment. See Section 12 for more environmental information.



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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Article: This article is a rigid, PVC compound in various colors.

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Bis (2-ethylhexylthioglycolate) dimethyltin	DMT(EHTG)	57583-35-4	0.5 - 1.0
titanium dioxide	Titanium (IV) Oxide	13463-67-7	8.0 - 10.0
<b>This ingredient is a trace level component of Polyvinyl chloride.</b>			
Vinyl chloride monomer (VCM)	Chloroethene; VCM	75-01-4	< 8 ppm

Note: Vinyl chloride monomer is not intentionally added to this product.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : None required under normal conditions.
- Inhalation* : None required under normal conditions. Get medical attention if irritation develops and persists.
- Skin contact* : None required under normal conditions. Get medical attention if irritation develops and persists.
- Eye contact* : None required under normal conditions. If dusts are formed and exposure occurs: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

#### Most important symptoms and effects, both acute and delayed

- : This article is a rigid, PVC compound in various colors. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. If dusts are formed and exposure occurs: Direct contact with eyes may cause temporary irritation.

#### Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Carbon dioxide (CO<sub>2</sub>); Dry chemical; Foam; Water fog
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Not flammable under normal conditions of use. However, may burn if exposed to extreme flame. Toxic fumes, gases or vapors may evolve on burning. In general will not sustain combustion without exposure to heat from another source. If molten, can sustain pyrolysis and ignite nearby flammable material. Dense dust clouds may be fire hazards. Material may decompose rapidly when exposed to flame. Finely divided dust clouds may be sensitive to static discharge and pose a dust explosion hazard.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

#### Hazardous combustion products

- : Carbon oxides; Hydrogen chloride; Formaldehyde; Tin oxides; Organic and acid halides. Organotin compound; Calcium oxides; Other unidentified organic compounds.

#### Special protective equipment and precautions for firefighters



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*Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

*Special fire-fighting procedures*

- : Do not breathe dust, fume or vapor. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- : Restrict access to area until completion of clean-up. Individuals involved in the cleanup must wear appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

**Methods and material for containment and cleaning up**

- : Ventilate the area. Remove all sources of ignition. Do not breathe dust, fume or vapor. Vacuum or sweep up spilled material using a method that does not generate airborne dust. Refer to Section 13 for disposal of contaminated material.

**Special spill response procedures**

- : Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements. Dispose in accordance with all applicable federal, state, provincial and local regulations.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

- : Avoid dust formation. Keep away from flame. Avoid breathing dust and fume.

**Conditions for safe storage** : Store in a cool, dry, well ventilated area, away from incompatibles. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

**Incompatible materials** : Acids; Oxidizing agents; Bases; Fluorine; Magnesium; Acetal or acetal copolymers.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	Bis (2-ethylhexylthioglycolate) dimethyltin	*0.1 mg/m <sup>3</sup>	*0.2 mg/m <sup>3</sup>	*0.1 mg/m <sup>3</sup>
titanium dioxide	10 mg/m <sup>3</sup>	N/Av	15 mg/m <sup>3</sup> (total dust)	N/Av
Vinyl chloride monomer (VCM)	1 ppm	N/Av	1 ppm	5 ppm(15 min)(see 29 CFR 1910.1017)

**Exposure controls**

**Ventilation and engineering measures**

- : If product is processed in a manner that generates dusts or fumes, provide mechanical ventilation to control airborne exposure levels. In case of insufficient ventilation wear suitable respiratory equipment.



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- Respiratory protection** : None required under normal conditions.  
**Skin protection** : None required when used as intended.  
**Eye / face protection** : None required when used as intended. If product is processed in a manner that generates dusts or fumes, wear as appropriate: Tightly fitting safety goggles; or Safety glasses with side shields.  
**Other protective equipment** : Other equipment may be required depending on workplace standards.  
**General hygiene considerations** : Avoid breathing dust and fume. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Solid article. Various colours.  
**Odour** : Odorless  
**Odour threshold** : N/Av  
**pH** : N/Av  
**Melting/Freezing point** : Softens gradually with increasing temperature  
**Initial boiling point and boiling range** : N/Av  
**Flash point** : N/Av  
**Flashpoint (Method)** : N/Av  
**Evaporation rate (BuAe = 1)** : N/Av  
**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)** : N/Av  
**Upper flammable limit (% by vol.)** : N/Av  
**Oxidizing properties** : None known.  
**Explosive properties** : Not explosive  
**Vapour pressure** : N/Av  
**Vapour density** : N/Av  
**Relative density / Specific gravity** : 1.38 - 1.60  
**Solubility in water** : Insoluble.  
**Other solubility(ies)** : N/Av  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : N/Av  
**Auto-ignition temperature** : N/Av  
**Decomposition temperature** : N/Av  
**Viscosity** : N/Av  
**Volatiles (% by weight)** : N/Av  
**Volatile organic Compounds (VOC's)** : N/Av  
**Absolute pressure of container** : N/Av  
**Flame projection length** : N/Av  
**Other physical/chemical comments** : None reported by the manufacturer.

### SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.



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- Chemical stability** : Stable under normal conditions. Decomposes at high temperatures.
- Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.
- Conditions to avoid** : Avoid dust formation. Avoid contact with incompatible materials. Avoid prolonged heating at processing conditions, temperatures above 204°C (400°F), and excessive shear/heat combinations.
- Incompatible materials** : See Section 7 (Handling and Storage) for further details.
- Hazardous decomposition products** : Refer to Section 5 for additional 'Hazardous combustion products'.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

- Routes of entry inhalation** : YES
- Routes of entry skin & eye** : YES
- Routes of entry Ingestion** : YES
- Routes of exposure skin absorption** : NO

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

- : None expected, when used as intended.

###### *Sign and symptoms ingestion*

- : None expected, when used as intended. Ingestion is not considered a potential route of exposure.

###### *Sign and symptoms skin*

- : None expected, when used as intended.

###### *Sign and symptoms eyes*

- : None expected, when used as intended. If dusts are formed and exposure occurs: May cause mild eye irritation. Exposure may cause temporary irritation, redness or discomfort.

##### Potential Chronic Health Effects

- : Repeated or prolonged inhalation of fine dusts may cause an increase in mucous production.

##### Mutagenicity

- : Not expected to be mutagenic in humans.

##### Carcinogenicity

- : Under normal conditions of handling, no exposure to any of the harmful components inside the device is expected and no health effects are generally expected as supplied.

##### Reproductive effects & Teratogenicity

- : Not expected to have other reproductive effects.

##### Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

##### Specific target organ effects

- : This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

##### Medical conditions aggravated by overexposure

- : None known or reported by the manufacturer.

##### Synergistic materials

- : No information available.

##### Toxicological data

- : This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. There is no data available for this product. See below for individual ingredient acute toxicity data.



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**SAFETY DATA SHEET**

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Bis (2-ethylhexylthioglycolate) dimethyltin	N/Av	1150 mg/kg	>1050 mg/kg (no deaths)
titanium dioxide	> 6820 mg/m <sup>3</sup> (dust) (no deaths)	> 25,000 mg/kg	> 10,000 mg/kg
<b>This ingredient is a trace level component of Polyvinyl chloride.</b>			
Vinyl chloride monomer (VCM)	33,700 ppm (4 hours)	>4000 mg/kg	N/Ap (gas)

**Other important toxicological hazards**

: None reported by the manufacturer.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** : Not expected to be harmful to aquatic organisms.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	>1000mg/L Fathead minnow	N/Av	None.
titanium dioxide	13463-67-7	100 mg/L Japanese ricefish	N/Av	None.
Vinyl chloride monomer (VCM)	75-01-4	210mg/L Zebra fish	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	32 mg/L Daphnia magna (Water flea)	0.46 mg/L (10% WAF)	None.
titanium dioxide	13463-67-7	>100 mg/L Daphnia magna (Water flea)	N/Av	None.
Vinyl chloride monomer (VCM)	75-01-4	119 mg/L Daphnia magna (Water flea)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	270 mg/L/72hr Green algae	10 mg/L	None.
titanium dioxide	13463-67-7	>100 mg/L/72hr Green algae	N/Av	None.
Vinyl chloride monomer (VCM)	75-01-4	77mg/L (calculated)	N/Av	None.

**Persistence and degradability**

: No data is available on the product itself. Not expected to be rapidly biodegradable.



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**Bioaccumulation potential** : No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Bis (2-ethylhexylthioglycolate) dimethyltin (CAS 57583-35-4)	8.48	2.7
titanium dioxide (CAS 13463-67-7)	N/Ap	N/Ap
Vinyl chloride monomer (VCM) (CAS 75-01-4)	1.58	<10

**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects**

: No data is available on the product itself.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	none	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				
49CFR/DOT	None	Not regulated.	Not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				

**Special precautions for user** : Keep away from extreme flame. Appropriate advice on safety must accompany the package.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: This information is not available.



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### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity (RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	Yes	N/Ap	N/Ap	No	N/Ap
titanium dioxide	13463-67-7	Yes	N/Ap	N/Ap	No	N/Ap
Vinyl chloride monomer (VCM)	75-01-4	Yes	1 lb / 0.454 kg	N/Ap	Yes	0.1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	No	N/Ap	No	No	No	No	No	No
titanium dioxide	13463-67-7	Yes	Cancer. (airborne, unbound particles of respirable size)	No	Yes	Yes	Yes	Yes	No
Vinyl chloride monomer (VCM)	75-01-4	Yes	Cancer.	Yes	Yes	Yes	Yes	Yes	Yes

**Canadian Information:**

WHMIS Classification: Refer to Section 2 for a WHMIS Classification for this product.

**International Information:**

Components listed below are present on the following International Inventory list:





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Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Bis (2-ethylhexylthioglycolate) dimethyltin	57583-35-4	260-829-0	Present	Present	(2)-2255; (2)-3034	97-3-258	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
titanium dioxide	13463-67-7	236-675-5	Present	Present	(5)-5225; (1)-558	KE-33900	Present	May be used as a single component chemical under an appropriate group standard
Vinyl chloride monomer (VCM)	75-01-4	200-831-0	Present	Present	(2)-102	KE-05651	Present	HSR001016

### SECTION 16. OTHER INFORMATION

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CAS: Chemical Abstract Services
- CEPA: Canadian Environmental Protection Act
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- EC50: Effective Concentration 50%.
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer
- IECSC: Inventory of Existing Chemical Substances
- IOC: Inventory of Chemicals
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- N/Ap: Not Applicable
- N/Av: Not Available
- NDSL = Non-Domestic Substances List
- NIOSH: National Institute of Occupational Safety and Health
- NOEC: No observable effect concentration
- NPRI: National Pollutant Release Inventory
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- SCBA: Self-Contained Breathing Apparatus
- SDS: Safety Data Sheet / MSDS: Material Safety Data Sheet
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TSCA: Toxic Substance Control Act
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Identification System



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- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
  2. International Agency for Research on Cancer Monographs, searched 2016
  3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
  4. Material Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists - 2016 version.
  6. California Proposition 65 List - 2016 version.
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2016.

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**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b> Vision Extrusions Group, Ltd. 201 Zenway Boulevard Woodbridge, ON, Canada, L4H 3H9 Phone: 905-265-9970 Please direct all inquiries to Vision Extrusions.</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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