



# SAFETY DATA SHEET

Issue Date 15-May-2015

Revision Date 15-Jan-2020

Version 2

PS-100

Poly-Seal 100 VOC

## 1. IDENTIFICATION

### Product identifier

**Product Name** Poly-Seal 100 VOC

### Other means of identification

**Product Code** PS-100

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

**Recommended Use** Restricted to professional users.

**Uses advised against** Consumer use

### Details of the supplier of the safety data sheet

<b>Supplier Address</b>	<b>Manufacturer Address</b>
Solomon Colors, Inc. 4050 Color Plant Road Springfield, IL 62702	Solomon Colors, Inc. 4050 Color Plant Road Springfield, IL 62702

**Company Phone Number** 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number** 800-373-7542

## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

### Label elements

#### Emergency Overview

#### Danger

#### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
Highly flammable liquid and vapor



**Appearance** Clear liquid

**Physical state** Liquid

**Odor** Characteristic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing must not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment see section 4 of this SDS.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical nature** Mixture.

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	40-50	*
Parachlorobenzotrifluoride	98-56-6	25-35	*
Acrylic Resin	Proprietary	-	*
Propylene glycol monomethyl ether acetate	108-65-6	< 3	*
Butyl methacrylate	97-88-1	< 1	*
Toluene	108-88-3	< 1	*

This product also contains trace amounts of 2-methoxypropyl acetate. \*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

<b>Symptoms</b>	Causes skin and eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause irritation of the respiratory system, drowsiness, or dizziness.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water spray (fog). Dry chemical, Carbon Dioxide, Foam, Sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

In the event of fire, cool tanks with water spray.

**Hazardous combustion products** Thermal decomposition can lead to the release of irritating gases and vapors. Carbon oxides.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.
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**Other Information** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Ground and bond containers when transferring material. Dike to collect large liquid spills.

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

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Never pierce, drill, grind, cut, saw or weld any empty container.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container tightly closed in a dry and well-ventilated place. Do not store near combustible materials. Use spark-proof tools and explosion-proof equipment.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Parachlorobenzotrifluoride 98-56-6	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup> F (vacated) TWA: 2.5 mg/m <sup>3</sup>	IDLH: 250 mg/m <sup>3</sup> F
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

### Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

#### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### Physical state

Liquid

#### Appearance

Clear liquid

#### Color

Colorless

#### Odor

Characteristic

#### Odor threshold

No information available

#### Property

#### Values

#### Remarks • Method

#### pH

No information available

#### Melting point/freezing point

No information available

#### Boiling point / boiling range

54 °C / 130 °F

ASTM D86

#### Flash point

19 °C / 66 °F

ASTM D56

#### Evaporation rate

No information available

#### Flammability (solid, gas)

No information available

<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	No information available
<b>Water solubility</b>	Insoluble
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	< 100 g/L
<b>Density</b>	No information available
<b>Bulk density</b>	7-8 lbs/gallon

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No acute toxicity information is available for this product The product is classified based on the mixture components.
<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or dizziness. Avoid breathing vapors or mists.
<b>Eye contact</b>	Irritating to eyes. Avoid contact with eyes.
<b>Skin Contact</b>	Irritating to skin. Avoid contact with skin and clothing.
<b>Ingestion</b>	May be harmful if swallowed. Do not ingest. If swallowed then seek immediate medical assistance.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Parachlorobenzotrifluoride 98-56-6	= 13 g/kg ( Rat )	> 2 mL/kg ( Rabbit )	= 33 mg/L ( Rat ) 4 h
Acrylic Resin	= 2500 mg/kg ( Rat )	-	= 1.71 mg/L ( Rat ) 4 h
Propylene glycol monomethyl ether acetate 108-65-6	= 8532 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Butyl methacrylate 97-88-1	= 16 g/kg ( Rat )	= 11300 mg/kg ( Rabbit )	= 4910 ppm ( Rat ) 4 h
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h

### Information on toxicological effects

**Symptoms** Causes skin and eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause irritation of the respiratory system, drowsiness, or dizziness.

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

**Skin corrosion/irritation** Skin Irritation Cat 2. (based on mixture components). Irritating to skin.  
**Serious eye damage/eye irritation** Eye Irritation Cat 2. Causes serious eye irritation. (Classification based on mixture components).  
**Sensitization** Skin Sensitizer Cat 1. May cause an allergic skin reaction.  
**Germ cell mutagenicity** Not classified. (Based on mixture components).  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Acrylic Resin	-	Group 3	-	-
Toluene 108-88-3	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)  
 Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** Contains a known or suspected reproductive toxin.  
**STOT - single exposure** Category 3. May cause irritation of respiratory tract. May cause dizziness or drowsiness.  
**STOT - repeated exposure** Not classified. (Based on mixture components).  
**Aspiration hazard** Not classified. (Based on mixture components).

### Numerical measures of toxicity - Product Information

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

<b>ATEmix (oral)</b>	7528.8 mg/kg
<b>ATEmix (dermal)</b>	4186.2 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	100.9 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

This product has not been fully evaluated on the product level.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Acetone 67-64-1	-0.24
Parachlorobenzotrifluoride 98-56-6	3.7
Propylene glycol monomethyl ether acetate 108-65-6	0.43
Butyl methacrylate 97-88-1	2.26
Toluene 108-88-3	2.7

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene 108-88-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable
Toluene 108-88-3	Toxic Ignitable



## 14. TRANSPORT INFORMATION

### DOT

UN/ID no.	UN1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II
Emergency Response Guide Number	128

### TDG

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

### MEX

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

### ICAO (air)

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

### IATA

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

### IMDG

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

### RID

UN/ID no.	UN 1263
Proper shipping name	Paint Related Material
Hazard Class	3
Packing Group	II

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA): This product does not contain chemicals at levels that 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**

See section 2 for more information

#### **CWA (Clean Water Act)**

This material, as supplied, does not contain substances that would exceed the reportable quantity as hazardous substances under the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X

#### **CERCLA**

This material, as supplied, does not contain substances that would exceed the reportable quantity 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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Toluene 108-88-3	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Parachlorobenzotrifluoride - 98-56-6	Carcinogen
Toluene - 108-88-3	Developmental

#### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone	X	X	X

67-64-1			
Parachlorobenzotrifluoride 98-56-6	X	-	-
Butyl methacrylate 97-88-1	X	X	X
Toluene 108-88-3	X	X	X

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

**NFPA** Health hazards 2 Flammability 3 Reactivity 0 Physical and Chemical Properties -  
**HMIS** Health hazards 2 Flammability 3 Physical hazards 0 Personal protection X

Issue Date 15-May-2015  
Revision Date 15-Jan-2020  
Revision Note  
Periodic Review

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**