



# SAFETY DATA SHEET

Issue Date 16-Apr-2015

Revision Date 10-Mar-2023

Version 3

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

**Supplier Address** **Manufacturer Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL  
62702

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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 product is classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) and the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015).

|  |             |
|--|-------------|
| Serious eye damage/eye irritation                | Category 2  |
| Germ cell mutagenicity                           | Category 1B |
| Carcinogenicity                                  | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3  |
| Flammable liquids                                | Category 2  |

### Label elements

### Emergency Overview

#### **Danger**

#### **Hazard statements**

Causes serious eye irritation  
May cause genetic defects  
May cause cancer  
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  
 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  
 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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 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 in a well-ventilated place. Keep container tightly closed  
 Store locked up

#### 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    | *            |
| Dimethyl carbonate                | 616-38-6   | 30-40    | *            |
| Petroleum naphtha, light aromatic | 64742-95-6 | < 2      | *            |
| Trimethylbenzene, Isomers         | 25551-13-7 | < 1      | *            |
| 1,2,4 Trimethylbenzene            | 95-63-6    | < 1      | *            |

\*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 serious eye irritation. May cause genetic defects. May cause cancer. May cause respiratory irritation. May cause drowsiness or dizziness. |
|-----------------|--|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 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.   |
| <b>Other Information</b>    | 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<br>67-64-1                      | STEL: 500 ppm<br>TWA: 250 ppm | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup> |
| Trimethylbenzene, Isomers<br>25551-13-7 | TWA: 25 ppm                   | (vacated) TWA: 25 ppm<br>(vacated) TWA: 125 mg/m <sup>3</sup>  | -  |
| 1,2,4 Trimethylbenzene<br>95-63-6       | -                             | -  | TWA: 25 ppm<br>TWA: 125 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                   | Odor                    | Characteristic           |
| Appearance                    | Clear liquid             | Odor threshold          | No information available |
| Color                         | Colorless                |                         |                          |
| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |                          |
| 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 |                         |                          |
| Flammability Limit in Air     |                          |                         |                          |
| Upper flammability limit:     | No information available |                         |                          |
| Lower flammability limit:     | 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>        | Avoid contact with skin and clothing. Prolonged or repeated exposure can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance. |
| <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<br>67-64-1                              | = 5800 mg/kg ( Rat ) | > 15700 mg/kg ( Rabbit ) | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| Dimethyl carbonate<br>616-38-6                  | = 13 g/kg ( Rat )    | > 5 g/kg ( Rabbit )      | > 5.36 mg/L ( Rat ) 4 h               |
| Petroleum naphtha, light aromatic<br>64742-95-6 | = 8400 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit )  | = 3400 ppm ( Rat ) 4 h                |
| Trimethylbenzene, Isomers<br>25551-13-7         | = 8970 mg/kg ( Rat ) | -                        | -                                     |
| 1,2,4 Trimethylbenzene<br>95-63-6               | = 3280 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit )  | = 18 g/m <sup>3</sup> ( Rat ) 4 h     |

### Information on toxicological effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes serious eye irritation. May cause genetic defects. May cause cancer. May cause respiratory irritation. May cause drowsiness or dizziness. |
|-----------------|--|

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

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Not classified. (Based on mixture components.).  |
| <b>Serious eye damage/eye irritation</b> | Eye Irritation Cat 2. Causes serious eye irritation. (Classification based on mixture components). |
| <b>Sensitization</b>                     | Not Classified. This product does not contain known sensitizers at levels > or equal to 0.1%.      |
| <b>Germ cell mutagenicity</b>            | Mutagenic. Contains a known or suspected mutagen.  |
| <b>Carcinogenicity</b>                   | Category 1. May cause cancer.  |
| <b>Reproductive toxicity</b>             | Not classified. (Based on mixture components).   |
| <b>STOT - single exposure</b>            | Category 3. May cause irritation of respiratory tract. May cause dizziness or drowsiness.          |
| <b>STOT - repeated exposure</b>          | Not classified. (Based on mixture components).   |
| <b>Aspiration hazard</b>                 | 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 .

|                               |              |
|-------------------------------|--------------|
| ATEmix (oral)                 | > 5000 mg/kg |
| ATEmix (dermal)               | > 5000 mg/kg |
| ATEmix (inhalation-gas)       | > 20,000 ppm |
| ATEmix (inhalation-dust/mist) | > 5 mg/l     |
| ATEmix (inhalation-vapor)     | > 20 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<br>67-64-1                | -0.24                 |
| 1,2,4 Trimethylbenzene<br>95-63-6 | 3.63                  |

### 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      | California Hazardous Waste Status |
|--------------------|-----------------------------------|
| Acetone<br>67-64-1 | Ignitable                         |



## 14. TRANSPORT INFORMATION

### DOT

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

### TDG

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

### MEX

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

### ICAO (air)

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

### IATA

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

### IMDG

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

### RID

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

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Does not comply |
| <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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                    | SARA 313 - Threshold Values % |
|----------------------------------|-------------------------------|
| 1,2,4 Trimethylbenzene - 95-63-6 | 1.0                           |
| Xylene - 1330-20-7               | 1.0                           |
| Cumene - 98-82-8                 | 1.0                           |
| Benzene - 71-43-2                | 0.1                           |
| Methyl Methacrylate - 80-62-6    | 1.0                           |

#### 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).

#### 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<br>67-64-1 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name     | California Proposition 65                        |
|-------------------|--|
| Cumene - 98-82-8  | Carcinogen                                       |
| Benzene - 71-43-2 | Carcinogen<br>Developmental<br>Male Reproductive |

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
|---------------|------------|---------------|--------------|

|   |   |   |   |
|---|---|---|---|
| Acetone<br>67-64-1                      | X | X | X |
| Dimethyl carbonate<br>616-38-6          | X | X | X |
| Trimethylbenzene, Isomers<br>25551-13-7 | X | X | X |
| 1,2,4 Trimethylbenzene<br>95-63-6       | X | X | X |
| Methyl Isopropyl Benzene<br>25155-15-1  | X | - | - |
| Xylene<br>1330-20-7                     | X | X | X |
| Cumene<br>98-82-8                       | X | X | X |
| Benzene<br>71-43-2                      | X | X | X |
| Methyl Methacrylate<br>80-62-6          | X | X | X |

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

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 2 | Flammability 3 | Reactivity 0       | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 2 | Flammability 3 | Physical hazards 0 | Personal protection X              |

**Prepared By** Solomon Colors  
**Issue Date** 16-Apr-2015  
**Revision Date** 10-Mar-2023  
**Revision Note**

The product hazard classification was updated and all relevant sections were revised to reflect this information.

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**