



SAFETY DATA SHEET

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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

| Supplier Address | Manufacturer Address |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 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 CO2, 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

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

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | 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

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

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 ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ 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 ³ |
| Parachlorobenzotrifluoride 98-56-6 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F (vacated) TWA: 2.5 mg/m ³ | IDLH: 250 mg/m ³ F |
| Toluene 108-88-3 | TWA: 20 ppm | TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm | IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ |

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

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

Other Information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | < 100 g/L |
| Density | No information available |
| Bulk density | 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

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Information | No acute toxicity information is available for this product The product is classified based on the mixture components. |
| Inhalation | May cause irritation of respiratory tract. May cause drowsiness or dizziness. Avoid breathing vapors or mists. |
| Eye contact | Irritating to eyes. Avoid contact with eyes. |
| Skin Contact | Irritating to skin. Avoid contact with skin and clothing. |
| Ingestion | 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 ³ (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 .

| | |
|--------------------------------------|--------------|
| ATEmix (oral) | 7528.8 mg/kg |
| ATEmix (dermal) | 4186.2 mg/kg |
| ATEmix (inhalation-dust/mist) | 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

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Does not comply |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | 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 |

