

PVC S-40 Solvent Cement (Clear)

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|--|
| Product Identifier | PVC S-40 Solvent Cement (Clear) |
| Other Means of Identification | 10842, 10863, 10884, 10905, 10926, 10767 |
| Recommended Use | Solvent Cement. For Welding PVC plastic pipes and fittings. |
| Restrictions on Use | None known. |
| Manufacturer | Sluyter Company Ltd., 375 Steelcase Road East, Markham, ON, L3R 1G3, Canada, Technical Department, (905) 475-6011, www.sluyter.com |
| Emergency Phone No. | CANUTEC, (613) 996-6666, Call Collect |
| SDS No. | 0206 |
| Date of Preparation | March 16, 2018 |

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 2; Serious eye damage - Category 1; Eye irritation - Category 2; Specific target organ toxicity (single exposure) - Category 3

Label Elements



Danger

Hazard Statement(s):

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Precautionary Statement(s):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, and lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapours.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1

SDS No.: 0206

Date of Preparation: March 16, 2018

Date of Last Revision: April 16, 2018

Page 01 of 07

P312 Call a POISON CENTRE or doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor.

P370 + P378 In case of fire: Use water spray or fog, carbon dioxide, dry chemical powder to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Health Hazards Not Otherwise Classified (HHNOC): May be a fire hazard in a confined space. May be a health hazard in confined spaces.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|---------------------|-----------|---------|-------------------|-------------|
| Tetrahydrofuran | 109-99-9 | 40 - 60 | THF | |
| Methyl Ethyl Ketone | 78-93-3 | 30 - 50 | MEK | |
| Polyvinyl chloride | 9002-86-2 | 5 - 20 | PVC | |
| Cyclohexanone | 108-94-1 | 1 - 10 | | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash with plenty of water. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Immediately call a Poison Centre or doctor. Do not induce vomiting. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled: small amounts can cause effects as described for inhalation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. If on skin: can cause effects as described for skin contact. If in eyes: small amounts may cause very mild irritation. May cause moderate to severe irritation. Symptoms include sore, red eyes, and tearing. If inhaled and/or swallowed: small amounts symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing and wheezing.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, lungs, respiratory system.

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1

SDS No.: 0206

Date of Preparation: March 16, 2018

Date of Last Revision: April 16, 2018

Page 02 of 07

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

In a fire, the following hazardous materials may be generated: corrosive, flammable ammonia; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. flammable or explosive atmosphere. Dike and recover contaminated water for appropriate disposal.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Do NOT use combustible materials such as sawdust. Dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: review Section 13 (Disposal Considerations) of this safety data sheet. Review Section 13 (Disposal Considerations) of this safety data sheet.

Other Information

Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

If used in a confined space: prevent skin contact. Do not get in eyes, on skin or on clothing. Only use where there is adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, out of direct sunlight and away from heat and ignition sources. Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---------------------|------------|---------|-----------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Methyl Ethyl Ketone | | 200 ppm | 885 mg/m3 | | | |
| Tetrahydrofuran | 50 ppm | 100 ppm | 590 mg/m3 | | | |
| Polyvinyl chloride | | | 15 mg/m3 | | | |
| Cyclohexanone | 20 ppm | 50 ppm | 100 mg/m3 | | | |

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1

SDS No.: 0206

Date of Preparation: March 16, 2018

Date of Last Revision: April 16, 2018

Page 03 of 07

Appropriate Engineering Controls

Concentrated product: in a confined space: do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Exhaust directly to the outside, taking any necessary precautions for environmental protection. Provide eyewash in work area, if contact or splash hazard exists. Provide safety shower in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Concentrated product: wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Concentrated product: wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|---|--|
| Appearance | Colourless liquid. |
| Odour | Aromatic |
| Odour Threshold | Not available |
| pH | Not available |
| Melting Point/Freezing Point | < 0 °C (32 °F) (melting); Not available (freezing) |
| Initial Boiling Point/Range | 65 °C (149 °F) |
| Flash Point | -5 °C (23 °F) (closed cup) |
| Evaporation Rate | 1.8 (n-butyl acetate = 1) |
| Flammability (solid, gas) | Flammable solid. |
| Upper/Lower Flammability or Explosive Limit | 11.8% (upper); 2.2% (lower) |
| Vapour Pressure | 145 mm Hg at 20 °C |
| Vapour Density (air = 1) | > 1 |
| Relative Density (water = 1) | 0.9 - 1.0 |
| Solubility | Practically insoluble in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | 321 °C (610 °F) |
| Decomposition Temperature | Not available |
| Viscosity | 0.95 - 0.97 centipoises (dynamic) |
| Other Information | |
| Physical State | Liquid |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Accumulation of static charge. Freezing.

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1
Date of Preparation: March 16, 2018
Date of Last Revision: April 16, 2018

SDS No.: 0206

Page 04 of 07

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------------|--|------------------|---------------------|
| Methyl Ethyl Ketone | 11700 ppm (male rat) (4-hour exposure) (vapour) | 2740 mg/kg (rat) | 6480 mg/kg (rabbit) |
| Tetrahydrofuran | 21000 ppm (rat) (4-hour exposure) | 1650 mg/kg (rat) | |
| Polyvinyl chloride | Not available | Not available | Not available |
| Cyclohexanone | | 1534 mg/kg (rat) | 948 mg/kg (rabbit) |

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

Skin Corrosion/Irritation

Human experience shows mild irritation. Symptoms include slight redness and swelling.

Serious Eye Damage/Irritation

Human experience shows serious eye irritation. May cause serious eye irritation based on information for closely related materials. Symptoms include sore, red eyes, and tearing. The vapour also irritates the eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

Skin Absorption

Symptoms may include redness, rash, swelling and itching.

Ingestion

Can cause effects as described for inhalation.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing, and wheezing.

Carcinogenicity

Not a carcinogen.

Key to Abbreviations

Group 3 = Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity

Development of Offspring

May harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility. If inhaled: if inhaled and/or swallowed.

Effects on or via Lactation

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1

SDS No.: 0206

Date of Preparation: March 16, 2018

Date of Last Revision: April 16, 2018

Page 05 of 07

No information was located.

Germ Cell Mutagenicity

Not mutagenic.

No information was located for: Skin Corrosion/Irritation, Serious Eye Damage/Irritation, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located. VOC INFORMATION:-..... This product emits VOC's (volatile organic compounds in use. Always ensure that the use of this product complies with local VOC Emission Regulations, where they exist. The VOC level is 550 grams/litre (SCAQMD Test Method 316A).

Ecotoxicity

No information was located.

Acute Aquatic Toxicity

| Chemical Name | LC50 Fish | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|---------------------|---|----------------|----------------------|-------------|
| Methyl Ethyl Ketone | 2993 mg/L (Pimephales promelas (fathead minnow); 96-hour) | N/Av | N/Av | N/Av |
| Tetrahydrofuran | 481-578 mg/L (96-hour) | | | |
| Cyclohexanone | 481-578 mg/L (Pimephales promelas (fathead minnow); 96-hour) | | | |

Chronic Aquatic Toxicity

| Chemical Name | NOEC Fish | EC50 Fish | NOEC Crustacea | EC50 Crustacea |
|---------------------|-------------------|-----------|----------------|----------------|
| Methyl Ethyl Ketone | 308 mg/L (21-day) | N/Av | N/Av | N/Av |

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

This product contains volatile organic compounds.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Do not reuse empty containers. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|----------------------|----------------------------|---------------|
| Canadian TDG | 1133 | Adhesives | 3 | II |
| Canadian TDG | 1133 | Adhesives | Consumer Commodity | II |

Environmental Hazards Not applicable

Special Precautions Please note: Read safety instructions, SDS and emergency procedures before handling.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other Information In containers up to 5 litres or 30 kg gross weight per package - this is shipped as CONSUMER COMMODITY. If the shipment exceeds 500 kg in weight, this is shipped as CONSUMER COMMODITY - ADHESIVES CLASS 3.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

Canada

WHMIS 1988 Classification

B2 - Flammable Liquid

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 2 Flammability - 3 Instability - 2

SDS Prepared By Sluyter Company Ltd

Phone No. 905-475-6011

Date of Preparation March 16, 2018

Date of Last Revision April 16, 2018

Revision Indicators Date of Preparation.

Disclaimer This Safety Data Sheet was prepared by Sluyter Company Ltd. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Sluyter Company Ltd. expressly disclaims all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Sluyter Company Ltd.

Product Identifier: PVC S-40 Solvent Cement (Clear) - Ver. 1

SDS No.: 0206

Date of Preparation: March 16, 2018

Date of Last Revision: April 16, 2018

Page 07 of 07