# PVC/ABS Transition Solvent Cement (White)

## SECTION 1. IDENTIFICATION

| | |
|---|---|
| **Product Identifier** | PVC/ABS Transition Solvent Cement (White) |
| **Other Means of Identification** | 11222, 11243, 11264, 11196 |
| **Recommended Use** | PVC and ABS Transition Solvent Cement. |
| **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, 1-888-226-8832 , or *666 on a cellular phone. |
| **SDS No.** | 0267 |
| **Date of Preparation** | March 13, 2018 |

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

**Classification**

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 3; Acute toxicity (Dermal) - Category 3; Acute toxicity (Inhalation) - Category 3; Skin irritation - Category 2; Serious eye damage - Category 1; Eye irritation - Category 2; Carcinogenicity - Category 2; Specific target organ toxicity (single exposure) - Category 3

**Label Elements**

Signal Word:
Danger
Hazard Statement(s):
Highly flammable liquid and vapour.
Causes serious eye damage.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Suspected of causing cancer.
Precautionary Statement(s):
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating, and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing vapours.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/eye protection/face protection.
Response:

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.
Call a POISON CENTRE or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTRE or doctor.
In case of fire: Use water spray or fog, carbon dioxide, dry chemical powder to extinguish.
Storage:
Store in a well-ventilated place. Keep cool.
Disposal:
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.

## 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.
A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## 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**

| | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---|---|---|---|---|---|---|
| **Chemical Name** | **TWA** | **STEL** | **TWA** | **Ceiling** | **8-hr TWA** | **TWA** |
| Methyl Ethyl Ketone | | 200 ppm | 885 mg/m3 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Tetrahydrofuran | 50 ppm | 100 ppm | 590 mg/m3 | | | |
| Cyclohexanone | 20 ppm | 50 ppm | 100 mg/m3 | | | |

**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**

If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | White liquid. |
| **Odour** | Aromatic |
| **Odour Threshold** | Not available |
| **pH** | Not available |
| **Melting Point/Freezing Point** | < 0 ºC (32 ºF) (melting); Not available (freezing) |
| **Boiling Range** | 65 ºC (149 ºF) |
| **Flash Point** | -5 ºC (23 ºF) (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 ºC |
| **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 ºC (610 ºF) |
| **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.

**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) | |
| Cyclohexanone | | 1534 mg/kg (rat) | 948 mg/kg (rabbit) |

**LC50 (Inhalation)**

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**

(Tetrahydrofuran) May cause cancer based on animal studies.

Key to Abbreviations

Group 2B = Possibly carcinogenic 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**

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 | Limited Quantity | |

**Environmental Hazards** Not applicable

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

**Transport in Bulk according to International Maritime Organization Instruments**

Not applicable

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

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

This section is not required by WHMIS.

**Canada**

**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 13, 2018

**Date of Last Revision** November 02, 2020

**Revision Indicators** The following SDS content was changed on June 21, 2019:
SECTION 11. TOXICOLOGICAL INFORMATION; Carcinogenicity.
The following SDS content was changed on November 02, 2020:
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Respiratory Protection.

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