

MATERIAL SAFETY DATA SHEET
PVC/ABS TRANSITION SOLVENT CEMENT

Page : 1

SLUYTER COMPANY LTD.

375 Steelcase Road East
Markham, Ontario L3R 1G3 Canada
Tel (905) 475-6011 Fax (905) 475-3119

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER-----SLUYTER COMPANY LTD.
375 Steelcase Road East
Markham, Ontario L3R 1G3
Canada
Tel (905) 475-6011
PRODUCT NAME-----PVC/ABS TRANSITION (Solvent Cement).
PRODUCT USES-----For welding plastic pipes and fittings.
CHEMICAL FAMILY-----Poly Vinyl Chloride based cement.

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS / % | CAS / TLV | LD/50, ROUTE, SPECIES | LC/50, ROUTE, SPECIES |
|--------------------------------|---------------------|--------------------------|---|
| TETRAHYDROFURAN 40 - 60 | 109-99-9 200 ppm | 1650 mg/kg Oral (Rat) | 18000 ppm 4 hours Inhalation (Rat) |
| METHYL ETHYL KETONE 30 - 50 | 78-93-3 200 ppm | 2737 mg/kg Oral (Rat) | 23500 mg/m3 8 Hours Inhalation (Rat) |
| CYCLOHEXANONE 1 - 10 | 108-94-1 25 ppm | 1620 mg/kg Oral (Rat) | 8000 ppm 1 Hour Inhalation (Rat) |

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:-----
SKIN CONTACT-----Can cause moderate skin irritation,
defatting and dermatitis.
SKIN ABSORPTION-----No data available.
INHALATION-----See "EFFECTS OF CHRONIC EXPOSURE", below.
INHALATION CHRONIC-----Breathing of high vapour concentrations
could cause dizziness, headache or even
unconsciousness. May be anesthetic which
could result in other central nervous
system effects.
INGESTION-----Can cause gastro-intestinal irritation,
nausea, vomiting and diarrhea. Small
amounts of liquid aspirated into
respiratory system could cause severe
health effects (e.g. Bronchopneumonia or
Pulmonary Edema).
EYE CONTACT-----Contains materials that are severely
irritating to the eyes.
EFFECTS OF ACUTE EXPOSURE-----Refer to "ROUTE ENTRY" section.
EFFECTS OF CHRONIC EXPOSURE-----May cause damage to the central nervous
system. Prolonged or repeated skin contact
may cause drying or cracking of the skin.

Ref: 0000107E

Preparation Date : May.14.2014

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MATERIAL SAFETY DATA SHEET
PVC/ABS TRANSITION SOLVENT CEMENT

Page : 2

SECTION 04: FIRST AID MEASURES

EYE CONTACT-----Check for and remove any contact lenses.
Immediately flush with water for a minimum
of 20 minutes and get medical attention.

SKIN CONTACT-----Remove contaminated clothing. Wash
affected area with water and soap. Seek
medical attention if irritation occurs or persists.

INHALATION-----Remove patient to fresh air. If not
breathing, trained personnel should
administer artificial respiration. Get
medical attention.

INGESTION-----Do NOT induce vomiting. Get immediate
medical attention.

ADDITIONAL INFORMATION-----Contact your local poison control centre.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY-----Flammable.

UNDER WHAT CONDITIONS-----Extremely flammable liquid. Dangerous fire
hazard when exposed to heat, flame or
temperatures above the flash point. As
vapours are heavier than air, they may
travel to a source of ignition and flash back

SPECIAL PROCEDURES-----A self-contained breathing apparatus is
required for fire fighting personnel. Use
water spray to cool fire exposed surfaces
and to protect personnel.

FLASH POINT (METHOD)----- -5°C TAG Closed Cup.

AUTO IGNITION TEMPERATURE-----321°C.

UPPER FLAMMABLE LIMIT (% VOL)-----11.80.

LOWER FLAMMABLE LIMIT (% VOL)-----2.20.

EXTINGUISHING MEDIA-----Alcohol foam, CO2 or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS-----Carbon Dioxide. Carbon Monoxide. Hydrogen Chloride. Smoke.

SENSITIVITY TO MECHANICAL-----Unknown.

IMPACT

SENSITIVITY TO STATIC-----May be sensitive.

DISCHARGE

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL-----Ventilate. Remove all sources of ignition,
open flames, sparks and heaters. Wear
protective gear (See SECTION 8). Large
spills must be collected for
disposal. Small spills can be wiped. Use a
non-combustible absorbent inorganic
material. Prevent run-off into drains,
sewers and other waterways.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES-----Avoid skin and eye contact. Avoid breathing
vapours. Use adequate ventilation. Keep away
from heat, sparks and open flame.

STORAGE NEEDS-----Store away from all sources of heat and
ignition. Store in well ventilated
area. Keep container closed and out of
reach from children and pets when not in use.

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MATERIAL SAFETY DATA SHEET
PVC/ABS TRANSITION SOLVENT CEMENT

Page : 3

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:-----
EYE/TYPE-----Safety glasses.
RESPIRATORY/TYPE-----None required for normal use if adequate ventilation is maintained. Use NIOSH/MSHA approved respirator if the TLV is exceeded.
GLOVES/ TYPE-----Wear impervious gloves (Neoprene or Rubber).
CLOTHING/TYPE-----Not applicable.
FOOTWEAR/TYPE-----Not applicable.
OTHER/TYPE-----Eye bath and safety shower.
VENTILATION REQUIREMENTS-----Natural or mechanical (Explosion Proof) ventilation to keep vapour levels well below the TLV.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE-----Liquid.
ODOUR-----Ketone odour.
SPECIFIC GRAVITY-----0.90 - 1.00.
ODOUR THRESHOLD (ppm)-----Not available.
VAPOUR PRESSURE-----145 mmHg @ 20°C.
VAPOUR DENSITY (AIR=1)----- >1.00.
EVAPORATION RATE-----6.00 (NBUAC = 1).
BOILING POINT (deg C)-----65°C.
pH-----Not applicable.
SOLUBILITY IN WATER (% W/W)-----Negligible.
COEFFICIENT OF WATER\OIL-----Not available.
DISTRIBUTION
FREEZING POINT----- <0°C.
MELTING POINT (deg C)-----Not applicable.
MOLECULAR WEIGHT-----Not applicable.

SECTION 10: STABILITY AND REACTIVITY

INCOMPATIBILITY-----Strong acids and strong bases. Chlorinated solvents. Oxidizing agents.
REACTIVITY CONDITIONS-----Excessive heat, sparks and open flame.
HAZARDOUS PRODUCTS OF DECOMPOSITION-----Carbon Dioxide. Carbon Monoxide. Hydrogen Chloride. Peroxides.

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.
IRRITANCY OF MATERIAL-----Moderate.
SENSITIZING CAPABILITY OF MATERIAL-----Not available.
CARCINOGENICITY OF MATERIAL-----Reversible liver damage at high dosages is possible.
TERATOGENICITY-----No information is available and no adverse teratogenicity effects are anticipated.
MUTAGENICITY-----No information is available and no adverse mutagenicity effects are anticipated.
REPRODUCTIVE EFFECTS-----Not available.
SYNERGISTIC MATERIALS-----Not available.

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MATERIAL SAFETY DATA SHEET
PVC/ABS TRANSITION SOLVENT CEMENT

Page : 4

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL-----Not available. Can be dangerous if allowed to enter drinking water intakes. Product has an unaesthetic appearance and can be a nuisance. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds and rivers.

BIODEGRADABILITY-----Not available. The solvent portion of this product is biodegradable and vaporizes rapidly.

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 650 grams/litre (SCAQMD Test Method 316A)

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL-----Spilled material and water rinses are classified as chemical waste. To be disposed of in accordance with current Local, Provincial and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION-----

(A)----- (A) In containers up to 5 litres - shipped as CONSUMER COMMODITY. If the shipment exceeds 500 kg in weight, shipped as CONSUMER COMMODITY - ADHESIVES CLASS 3.

(B)----- (B) In containers over 5 litres - ADHESIVES CLASS 3 UN1133 P.G. II.

SECTION 15: REGULATORY INFORMATION

CPR COMPLIANCE-----This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION-----Class B Div.2 Flammable Liquid Class D Div.2B Toxic Material.

SECTION 16: OTHER INFORMATION

IMPORTANT:-----The information on this Material Safety Data Sheet is furnished without warranty, expressed or implied. All the information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations for the accuracy or sufficiency.