

MATERIAL SAFETY DATA SHEET
PVC S-92 SOLVENT CEMENT

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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 S-92 (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 60 - 85	109-99-9 200 ppm	1650 mg/kg Oral (Rat)	18000 ppm 4 hours Inhalation (Rat)
METHYL ETHYL KETONE 5 - 15	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.

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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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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-----Clear 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-----Carbon Dioxide. Carbon Monoxide. Hydrogen
DECOMPOSITION Chloride. Peroxides.

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.
IRRITANCY OF MATERIAL-----Moderate.
SENSITIZING CAPABILITY OF-----Not available.
MATERIAL
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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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.

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-----

(1)----- (1a) 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.

(2)----- (2a) 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.