

MATERIAL SAFETY DATA SHEET  
CPVC 77

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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-----CPVC 77 Solvent Cement.  
PRODUCT USES-----For solvent welding CPVC pipes and fittings.  
CHEMICAL FAMILY-----CPVC based Solvent Cement.

**SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
TETRAHYDROFURAN			
60 - 80	109-99-9 200 ppm	1650 mg/kg Oral (Rat)	18000 ppm 4 hours Inhalation (Rat)
METHYL ETHYL KETONE			
5 - 10	78-93-3 200 ppm	2737 mg/kg Oral (Rat)	23500 mg/m3 8 Hours 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. Can cause damage to the  
respiratory system.  
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-----Prolonged or repeated skin contact may  
cause drying or cracking of the skin. May  
cause damage to the central nervous system.

**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. 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.

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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-----Self contained breathing apparatus and  
protective clothing 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)-----11.60.  
EXTINGUISHING MEDIA-----Alcohol foam, CO2 or dry chemical.  
HAZARDOUS COMBUSTION PRODUCTS-----Carbon Dioxide. Carbon Monoxide. Smoke.  
SENSITIVITY TO MECHANICAL-----Yes.  
IMPACT  
SENSITIVITY TO STATIC-----Yes.  
DISCHARGE  
SENSITIVITY TO MECHANICAL-----  
IMPACT

**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.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:-----  
EYE/TYPE-----Safety glasses.  
RESPIRATORY/TYPE-----If used indoors on a continuous basis or  
if the TLV is exceeded, the use of a  
cartridge type respirator (NIOSH/MSHA  
approved) is recommended.  
GLOVES/ TYPE-----Wear impervious gloves (Neoprene or Rubber).  
CLOTHING/TYPE-----Wear adequate protective clothing.

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FOOTWEAR/TYPE-----Safety boots as specified in workplace regulations.  
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.

**SECTION 10: STABILITY AND REACTIVITY**

INCOMPATIBILITY-----Strong acids and strong bases. Avoid high temperatures.  
REACTIVITY CONDITIONS-----Excessive heat, sparks and open flame.  
HAZARDOUS PRODUCTS OF-----Oxides of Carbon (CO and CO2). Toxic fumes. Smoke.  
DECOMPOSITION

**SECTION 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.  
IRRITANCY OF MATERIAL-----Eye irritant. Skin irritant.  
SENSITIZING CAPABILITY OF-----Not available.  
MATERIAL  
CARCINOGENICITY OF MATERIAL-----No information is available and no adverse  
carcinogenic effects are anticipated.  
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.

**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 600 grams/litre (SCAQMD Test Method 316A)

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**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) 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) 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.