

MATERIAL SAFETY DATA SHEET  
**ABS 55Y 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-----ABS 55Y (Solvent Cement).  
PRODUCT USES-----For welding plastic pipes and fittings.  
CHEMICAL FAMILY-----Acrylonitrile-Butadiene Styrene.

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

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
METHYL ETHYL KETONE 60 - 80	78-93-3 200 ppm	2737 mg/kg Oral (Rat)	23500 mg/m3 8 Hours Inhalation (Rat)
TOLUENE 15 - 40	108-88-3 200 ppm	>2 g/kg Skin (Rabbit)	8000 ppm 8 hours Inhalation (Rat)
ABS POLYMER 10 - 30	9003-56-9 Not Available	Not Available	Not Available

**SECTION 03: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:-----  
SKIN CONTACT-----Can cause moderate skin irritation,  
defatting and dermatitis.  
SKIN ABSORPTION-----Not applicable.  
INHALATION-----As described 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. If not removed  
promptly, it will injure the eye tissue  
and may cause permanent eye damage.  
EFFECTS OF ACUTE EXPOSURE-----  
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)----- -4°C TAG Closed Cup.

AUTO IGNITION TEMPERATURE-----480°C.

UPPER FLAMMABLE LIMIT (% VOL)-----11.50.

LOWER FLAMMABLE LIMIT (% VOL)-----1.80.

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

HAZARDOUS COMBUSTION PRODUCTS-----Traces of monomers. Oxides of Carbon (CO and CO2). Hydrogen Cyanide.

SENSITIVITY TO MECHANICAL-----Not available.

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). Small spills can be wiped. Large spills must be collected for disposal. 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

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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-----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-----Aromatic Solvent odour.  
SPECIFIC GRAVITY-----0.86 - 0.90.  
ODOUR THRESHOLD (ppm)-----25 ppm.  
VAPOUR PRESSURE-----22 mmHg @ 20°C.  
VAPOUR DENSITY (AIR=1)----- >1.00.  
EVAPORATION RATE-----1.80 (NBUAC = 1).  
BOILING POINT (deg C)-----110°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-----Styrene and Acrylonitrile monomer. Oxides of Carbon (CO and CO<sub>2</sub>). Toxic fumes. Smoke.

**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. Residual amounts of Acrylonitrile and Styrene monomer may be present in decomposition but not in normal use. These are both suspected carcinogens.

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