

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.

Ref: 0000100E

Preparation Date : May.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

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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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Canada  
Tel (905) 475-6011  
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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-----Styrene and Acrylonitrile monomer. Oxides  
DECOMPOSITION of Carbon (CO and CO2). Toxic fumes. Smoke.

**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. 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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**PVC S-40 SOLVENT CEMENT**

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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-40 (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 30 - 50	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: 0000102E

Preparation Date : May.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

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**PVC S-40 SOLVENT CEMENT**

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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-----Liquid.  
ODOUR-----Ketone odour.  
SPECIFIC GRAVITY-----0.90 - 1.00.  
ODOUR THRESHOLD (ppm)-----Not available.  
VAPOUR PRESSURE-----145 mm Hg @ 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.

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)

**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.

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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,  
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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  
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may cause drying or cracking of the skin.

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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  
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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.

Ref: 0000102E

Preparation Date : May.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

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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-----Liquid.  
ODOUR-----Ketone odour.  
SPECIFIC GRAVITY-----0.90 - 1.00.  
ODOUR THRESHOLD (ppm)-----Not available.  
VAPOUR PRESSURE-----145 mm Hg @ 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.

Ref: 0000102E

Preparation Date : May.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

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**PVC S-40 SOLVENT CEMENT**

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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.

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)

**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**

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MATERIAL SAFETY DATA SHEET  
**PVC/ABS TRANSITION 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/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.07.2015

**EMERGENCY - CALL CANUTEC (613) 996-6666 (Collect)**

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**PVC/ABS TRANSITION SOLVENT CEMENT**

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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.

Ref: 0000107E

Preparation Date : May.07.2015

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**PVC/ABS TRANSITION SOLVENT CEMENT**

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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-----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.

Ref: 0000107E

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**PVC/ABS TRANSITION SOLVENT CEMENT**

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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.

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**

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Tel (905) 475-6011  
PRODUCT NAME-----PVC/ABS TRANSITION (Solvent Cement).  
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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.

Ref: 0000107E

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**PVC/ABS TRANSITION SOLVENT CEMENT**

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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-----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.

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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.

Ref: 0000107E

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MATERIAL SAFETY DATA SHEET  
**PVC/ABS TRANSITION SOLVENT CEMENT**

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**SECTION 12: ECOLOGICAL INFORMATION**

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