

MATERIAL SAFETY DATA SHEET  
PERMA-SHINE

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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-----PERMA-SHINE  
PRODUCT USES-----Floor maintenance product.  
CHEMICAL FAMILY-----Polymer floor finish.

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

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
GLYCOL ETHER DM 1 - 5	111-77-3 Not Available	9000 mg/kg Oral (Rat)	Not Available
AMMONIUM HYDROXIDE 1 - 5	1336-21-6 25 ppm	350 mg/kg Oral (Rat)	Not Available

**SECTION 03: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:-----  
SKIN CONTACT-----Can cause moderate skin irritation,  
defatting and dermatitis.  
SKIN ABSORPTION-----Not applicable.  
INHALATION-----See "EFFECTS OF CHRONIC EXPOSURE", below.  
INHALATION CHRONIC-----Irritating to the mucous  
membranes. Inhalation in confined spaces  
can cause headaches and nausea.  
INGESTION-----Low toxicity. May cause headache, nausea,  
vomiting and weakness.  
EYE CONTACT-----Irritant. May cause discomfort .May cause  
watering of the eyes.  
EFFECTS OF ACUTE EXPOSURE-----Refer to "ROUTE ENTRY" section.  
EFFECTS OF CHRONIC EXPOSURE-----This product contains small amounts of  
Formaldehyde which is a suspected human  
carcinogen. See "CARCINOGENICITY OF  
MATERIAL" heading under TOXICOLOGICAL  
INFORMATION in SECTION 11.

**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

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

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administer artificial respiration. Get medical attention.  
INGESTION-----Dilute with large quantities of water or milk. Do NOT induce vomiting.  
ADDITIONAL INFORMATION-----Contact your local poison control centre.

**SECTION 05: FIRE FIGHTING MEASURES**

FLAMMABILITY-----Non-flammable.  
UNDER WHAT CONDITIONS-----Not Applicable.  
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)-----Not flammable.  
AUTO IGNITION TEMPERATURE-----Not applicable.  
UPPER FLAMMABLE LIMIT (% VOL)-----Not applicable.  
LOWER FLAMMABLE LIMIT (% VOL)-----Not applicable.  
EXTINGUISHING MEDIA-----Use extinguishing media for surrounding fire.  
HAZARDOUS COMBUSTION PRODUCTS-----Oxides of Carbon (CO and CO2). Smoke. Toxic fumes.  
SENSITIVITY TO MECHANICAL-----Not applicable.  
IMPACT  
SENSITIVITY TO STATIC-----Not applicable.  
DISCHARGE

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

LEAK/SPILL-----Small spills can be wiped. Wash down with water. Large spills must be collected for disposal. Absorb residual material with sand or other absorbent material. Prevent run-off into drains, sewers and other waterways.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES-----Avoid skin and eye contact. Maintain a good personal hygiene.  
STORAGE NEEDS-----Do NOT store below 5°C. Do NOT store above 49°C. 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 required when handling concentrated product.  
RESPIRATORY/TYPE-----None required under normal use.  
GLOVES/ TYPE-----Rubber or vinyl gloves for prolonged or repeated contact with the product in concentrated form.  
CLOTHING/TYPE-----Not applicable.  
FOOTWEAR/TYPE-----Safety boots as specified in workplace regulations.  
OTHER/TYPE-----Eye bath and safety shower.  
VENTILATION REQUIREMENTS-----Natural ventilation is satisfactory for normal use.

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**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE-----Liquid.  
ODOUR-----Mild odour.  
SPECIFIC GRAVITY-----1.00 - 1.05.  
ODOUR THRESHOLD (ppm)-----Not applicable.  
VAPOUR PRESSURE-----Similar to water.  
VAPOUR DENSITY (AIR=1)-----Not available.  
EVAPORATION RATE-----Similar to water.  
BOILING POINT (deg C)-----100°C.  
pH-----8.0 - 9.0.  
SOLUBILITY IN WATER (% W/W)-----Soluble.  
COEFFICIENT OF WATER/OIL-----Not available.  
DISTRIBUTION  
VOLATILES (%)----- > 80%.  
FREEZING POINT-----0°C.  
MELTING POINT (deg C)-----Not applicable.  
MOLECULAR WEIGHT-----Not applicable.

**SECTION 10: STABILITY AND REACTIVITY**

INCOMPATIBILITY-----Strong acids. Alkalies.  
REACTIVITY CONDITIONS-----None.  
HAZARDOUS PRODUCTS OF-----Oxides of Carbon (CO and CO2).  
DECOMPOSITION

**SECTION 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.  
IRRITANCY OF MATERIAL-----Slight.  
SENSITIZING CAPABILITY OF-----Not a sensitizer.  
MATERIAL  
CARCINOGENICITY OF MATERIAL-----Formaldehyde is carcinogenic to animals  
and is a probable human carcinogen. It is  
present at less than 0.2 %.  
TERATOGENICITY-----No information is available and no adverse  
teratogenicity effects are anticipated.  
MUTAGENICITY-----Formaldehyde is mutagenic in laboratory tests.  
REPRODUCTIVE EFFECTS-----Glycol Ether DM showed maternal toxicity  
but no increase in birth defects.  
SYNERGISTIC MATERIALS-----Not applicable.

**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-----To be disposed of in accordance with  
current Local, Provincial and Federal  
regulations. Prevent run-off into drains,  
sewers and other water-ways.

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**SECTION 14: TRANSPORT INFORMATION**

T.D.G. CLASSIFICATION-----Not regulated.

**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 D Div.2 Subdiv.B.

**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.