

MATERIAL SAFETY DATA SHEET
CLEANER 25

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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-----CLEANER 25.
PRODUCT USES-----Cleaning solvent.
CHEMICAL FAMILY-----Chlorinated Solvents.

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
DICHLOROMETHANE 60 - 100	75-09-2 50 ppm	1600 mg/kg Oral (Rat)	14400 ppm 7 Hours Inhalation (Rat)

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:-----
SKIN CONTACT-----Can cause moderate skin irritation,
defatting and dermatitis.
SKIN ABSORPTION-----Can be absorbed through the skin resulting
in toxic effects.
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-----Severe overexposure could cause coma or
death. May cause damage to the central
nervous system. Prolonged or repeated skin
contact may cause drying or cracking of
the skin. 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.

Ref: 0000210E

Preparation Date : May.07.2015

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

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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-----Non-flammable.
UNDER WHAT CONDITIONS-----Fire hazard when exposed to open flames and high temperatures.
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)-----None.
AUTO IGNITION TEMPERATURE-----Not available.
UPPER FLAMMABLE LIMIT (% VOL)-----22.00.
LOWER FLAMMABLE LIMIT (% VOL)-----14.00.
EXTINGUISHING MEDIA-----Alcohol foam, CO2 or dry chemical.
HAZARDOUS COMBUSTION PRODUCTS-----Hydrochloric acid. Oxides of Carbon (CO and CO2). Phosgene.
SENSITIVITY TO MECHANICAL-----Unknown.
IMPACT
SENSITIVITY TO STATIC-----Unknown.
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.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:-----
EYE/TYPE-----Safety glasses.
RESPIRATORY/TYPE-----None required for normal use if adequate ventilation is maintained. If used indoors on a continuous basis or if the TLV is exceeded, the use of a cartridge type

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respirator (NIOSH/MSHA approved) is recommended.
GLOVES/ TYPE-----Wear impervious gloves (Neoprene or Rubber).
CLOTHING/TYPER-----Not applicable.
FOOTWEAR/TYPER-----Not applicable.
OTHER/TYPER-----Eye bath and safety shower.
VENTILATION REQUIREMENTS-----Natural or mechanical ventilation to keep
the vapour concentrations below the TLV.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE-----Liquid.
ODOUR-----Strong solvent odour.
SPECIFIC GRAVITY-----1.25 - 1.35.
ODOUR THRESHOLD (ppm)-----Not available.
VAPOUR PRESSURE-----400 mmHg @ 20°C.
VAPOUR DENSITY (AIR=1)----- > 1.00.
EVAPORATION RATE-----Not available.
BOILING POINT (deg C)-----40°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-----Aluminum and similar alloys. Strong acids
and strong bases. Oxidizing agents.
REACTIVITY CONDITIONS-----Excessive heat, sparks and open flame.
HAZARDOUS PRODUCTS OF-----Oxides of Carbon (CO and CO2).
DECOMPOSITION Hydrofluoric acid. Phosgene.

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-----Methylene Chloride is listed as a
potential carcinogen (2B) by IRAC. Results
of laboratory animal tests show that
Methylene Chloride produced benign tumors
in rats and mice exposed to 500 ppm:
Cancer in rats and mice exposed to 1500
ppm and higher, limited epidemiology
studies failed to show a tumorigen
response in plant workers.
TERATOGENICITY-----No effects noted at 1200 and 4500 ppm of
Methylene Chloride.
MUTAGENICITY-----Not available.
REPRODUCTIVE EFFECTS-----No effects noted at 1200 and 4500 ppm of
Methylene Chloride.
SYNERGISTIC MATERIALS-----Not available.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL-----Not available. Can be dangerous if allowed
to enter drinking water intakes. Product

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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)----- (1f) In containers up to 5 litres - shipped as CONSUMER COMMODITY. If shipment exceeds 500 kg in weight, shipped as CONSUMER COMMODITY - DICHLOROMETHANE (SOLUTION) CLASS 6.1.
- (2)----- (2f) In containers over 5 litres - DICHLOROMETHANE (SOLUTION) CLASS 6.1 UN1593 P.G. III.

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.1 Subdiv.B, Class D Div.2 Subdiv.A and 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.