

MATERIAL SAFETY DATA SHEET
SPOT OFF (BULK)

Page : 1

SLUYTER COMPANY LTD.

375 Steelcase Road East
Markham, Ontario L3R 1G3 Canada

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-----SPOT OFF (BULK).
PRODUCT USES-----Stain Remover for fabrics.
CHEMICAL FAMILY-----Solvent Blend.

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
HEPTANE 40 - 70	142-82-5 400 ppm	>15 mg/kg Oral (Rat)	Not Available
TRICHLOROETHYLENE 5 - 20	79-01-6 50 ppm	4920 mg/kg Oral (Rat)	12500 ppm 4 Hours Inhalation (Rat)
ALCOHOL 20 - 40	64-17-5 50 ppm	Not Indicated	Not Indicated

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-----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.

MATERIAL SAFETY DATA SHEET
SPOT OFF (BULK)

Page : 2

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-----Fire hazard when exposed to open flames
and high temperatures. Flammable liquid.
Fire hazard when exposed to heat, flame or
temperatures above the flash point.
Vapours are heavier than air and 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-----Not available.

UPPER FLAMMABLE LIMIT (% VOL)-----6.80.

LOWER FLAMMABLE LIMIT (% VOL)-----1.20.

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

HAZARDOUS COMBUSTION PRODUCTS-----Toxic fumes .Oxides of Carbon (CO and CO2).

SENSITIVITY TO MECHANICAL-----Not available.

IMPACT

SENSITIVITY TO STATIC-----Not available.

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.

MATERIAL SAFETY DATA SHEET
SPOT OFF (BULK)

Page : 3

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 respirator (NIOSH/MSHA approved) is recommended.
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 ventilation to keep the vapour concentrations below the TLV.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE-----Liquid.
ODOUR-----Solvent odour.
SPECIFIC GRAVITY-----0.70 - 0.80.
ODOUR THRESHOLD (ppm)-----Not available.
VAPOUR PRESSURE-----115 mmHg @ 38°C.
VAPOUR DENSITY (AIR=1)----- > 1.00.
EVAPORATION RATE-----Not available.
BOILING POINT (deg C)-----Initial 92°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-----No information is available and no adverse carcinogenic effects are anticipated.
TERATOGENICITY-----Not available.
MUTAGENICITY-----Not available.
REPRODUCTIVE EFFECTS-----Not available.
SYNERGISTIC MATERIALS-----Alcohols.

MATERIAL SAFETY DATA SHEET
SPOT OFF (BULK)

Page : 4

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-----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-----FLAMMABLE LIQUIDS N.O.S. (HEPTANE) CLASS 3
UN1993 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.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.