

MATERIAL SAFETY DATA SHEET
390 HI TEMP ADHESIVE

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-----390 HI TEMP ADHESIVE
PRODUCT USES-----Multi Purpose Adhesive
CHEMICAL FAMILY-----Solvent based adhesive

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS / % | CAS / TLV | LD/50, ROUTE, SPECIES | LC/50, ROUTE, SPECIES |
|-----------------------|--------------------------------|---------------------------|---------------------------------------|
| ACETONE 30 - 50 | 67-64-1 750 ppm | 9750 mg/kg Oral (Rat) | 16000 ppm 4 hours Inhalation (Rat) |
| CYCLOHEXANE 5 - 10 | 110-82-7 300 ppm | 12705 mg/kg Oral (Rat) | 50 ppm 1 hour Inhalation (Rat) |
| HEXANE 30 - 40 | 110-54-3 50 ppm 1000 ppm | 28710 mg/kg Oral (Rat) | 120000 mg/m3 Inhalation MUS |

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:-----
SKIN CONTACT-----Can cause moderate skin irritation,
defatting and dermatitis.
SKIN ABSORPTION-----Not available.
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 moderately
irritating to the eyes.
EFFECTS OF ACUTE EXPOSURE-----Refer to "ROUTE ENTRY" section.
EFFECTS OF CHRONIC EXPOSURE-----Prolonged or repeated exposure to N-Hexane
may damage peripheral nerve tissue of the
arms and legs, which may result in
muscular weakness or loss of sensation in
the extremities. Prolonged or repeated skin
contact may cause drying or cracking of the skin.

MATERIAL SAFETY DATA SHEET
390 HI TEMP ADHESIVE

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-----A dangerous fire hazard when exposed to heat, flames or
sparks.

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)----- -18°C TAG Closed Cup. Flame projection > 45 cm.

AUTO IGNITION TEMPERATURE-----Not available.

UPPER FLAMMABLE LIMIT (% VOL)-----7.00.

LOWER FLAMMABLE LIMIT (% VOL)-----0.60.

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

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

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). Small
spills can be wiped. Large spills must be
collected for disposal. Use a
non-combustible absorbent inorganic
material. Clean thoroughly with solvent
based cleaner. 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 in a cool area, away from all
sources of heat and ignition. Store in a
dry, well ventilated area. Do NOT store
above 49°C.

MATERIAL SAFETY DATA SHEET
390 HI TEMP ADHESIVE

Page : 3

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:-----
EYE/TYPE-----Safety glasses.
RESPIRATORY/TYPE-----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-----Not applicable.
CLOTHING/TYPE-----Wear adequate protective clothing.
FOOTWEAR/TYPE-----Safety boots as specified in workplace regulations.
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-----Green liquid.
ODOUR-----Petroleum Solvent Odour.
SPECIFIC GRAVITY-----0.80 - 0.83 (Liquid Contents).
ODOUR THRESHOLD (ppm)-----Not available.
VAPOUR PRESSURE-----90 psig @ 20°C.
VAPOUR DENSITY (AIR=1)----- > 1.00.
EVAPORATION RATE-----Not available.
BOILING POINT (deg C)-----56°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. Oxidizing agents.
REACTIVITY CONDITIONS-----Excessive heat, sparks and open flame.
HAZARDOUS PRODUCTS OF-----Oxides of Carbon (CO and CO2). Toxic
DECOMPOSITION 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-----No information is available and no adverse
carcinogenic effects are anticipated.
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-----No information is available and no adverse
reproductive effects are anticipated.
SYNERGISTIC MATERIALS-----Not available.

MATERIAL SAFETY DATA SHEET
390 HI TEMP ADHESIVE

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-----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 Class D Div.2 Subdiv. A & 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.