

MATERIAL SAFETY DATA SHEET
DRAIN KLEAR

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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-----DRAIN KLEAR.
PRODUCT USES-----Acid drain opener.
CHEMICAL FAMILY-----Sulphuric Acid Blend.

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS / %	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
SULPHURIC ACID 60 - 90	7664-93-9 1 mg/M3	2140 mg/kg Oral (Rat)	510 mg/M3 2 Hours Inhalation (Rat)

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:-----
SKIN CONTACT-----Will cause severe burns to the skin.
SKIN ABSORPTION-----Not applicable.
INHALATION-----See "EFFECTS OF CHRONIC EXPOSURE", below.
INHALATION CHRONIC-----Can cause inflammation of the respiratory
system.
INGESTION-----Will cause sever irritation and
inflammation of the mouth, throat and
stomach. May cause severe stomach
pains. Intense thirst, nausea, vomiting and
diarrhea. Circulatory collapse and death
may occur.
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-----Refer to "ROUTE ENTRY" section.
EFFECTS OF CHRONIC EXPOSURE-----Repeated inhalation of high concentrations
of mists and vapours can cause damage
to the lungs and possible discolouration
of the teeth. Prolonged or repeated skin
contact may cause drying or cracking of the skin.

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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Preparation Date : May.07.2015

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-----CAUTION: Contact with various materials may generate flammable or explosive concentrations of gases.
SPECIAL PROCEDURES-----Self contained breathing apparatus and protective clothing is required for fire fighting 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 sulphur.
SENSITIVITY TO MECHANICAL-----Not available.
IMPACT
SENSITIVITY TO STATIC-----Not available.
DISCHARGE

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL-----Ventilate. Wear protective gear (See SECTION 8). Absorb with inert material. Place in a closed container. Wash area with soap and water and rinse thoroughly. Neutralize material with Soda Ash or Lime. CAUTION: Never add water directly to concentrated acid as a violent reaction will occur.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES-----Wear neoprene gloves and wear eye protection.
STORAGE NEEDS-----Store away from combustible materials. Store away from oxidizing materials and all sources of ignition,. Store in a dry, well ventilated area.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:-----
EYE/TYPE-----Safety goggles must be worn.
RESPIRATORY/TYPE-----None required for normal use if adequate ventilation is maintained.
GLOVES/ TYPE-----Wear impervious gloves (Neoprene or Rubber).
CLOTHING/TYPE-----Wear a neoprene apron if handling large quantities.
FOOTWEAR/TYPE-----Safety boots as specified in workplace regulations.
OTHER/TYPE-----Eye bath and safety shower.
VENTILATION REQUIREMENTS-----Natural or mechanical ventilation to keep the vapour concentrations below the TLV.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE-----Liquid.
ODOUR-----Pungent acid like odour.
SPECIFIC GRAVITY-----1.20 - 1.28.
ODOUR THRESHOLD (ppm)-----Not available.
VAPOUR PRESSURE-----115 mmHg @ 38°C.
VAPOUR DENSITY (AIR=1)-----Not available.
EVAPORATION RATE-----Not available.
BOILING POINT (deg C)----- > 270°C.
pH----- < 3.0.
SOLUBILITY IN WATER (% W/W)-----Soluble.
COEFFICIENT OF WATER\OIL-----Not available.
DISTRIBUTION
FREEZING POINT-----0°C - 2°C.
MELTING POINT (deg C)-----Not available.
MOLECULAR WEIGHT-----Not applicable.

SECTION 10: STABILITY AND REACTIVITY

INCOMPATIBILITY-----Incompatible with strong
oxidizers. Alkalies. Bleach .Ammonia. To
dilute add acid to water and not water to
acid, thus preventing a violent reaction.
REACTIVITY CONDITIONS-----Water and organic material.
HAZARDOUS PRODUCTS OF-----Hydrogen Gas. Oxides of Sulphur.
DECOMPOSITION

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL-----See "HAZARDOUS INGREDIENTS" in SECTION 2.
IRRITANCY OF MATERIAL-----Severe. Eye irritant .Skin irritant.
SENSITIZING CAPABILITY OF-----Not available.
MATERIAL
CARCINOGENICITY OF MATERIAL-----No ingredients are listed as a carcinogen
by NIOSH, IARC and ACGIH.
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 reproductive effects expected.
SYNERGISTIC MATERIALS-----Not available.

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

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regulations. Consult an expert in hazardous waste for proper disposal. Consult the Environmental Ministry.

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION-----

(1)----- (1i) LIMITED QUANTITY. If the shipment exceeds 500 kg in weight, shipped as LIMITED QUANTITY - SULPHURIC ACID CLASS 8(9.2)

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 E.

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.