

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: NIATHANE HS (PART A)

SECTION 1 - Preparation/Product Information

Manufactured and/or Supplied By: Emergency Telephone No: (613)996-6666
CANUTEC
Niagara Protective Coatings Date Prepared: July 1, 2015
7071 Oakwood Ave.
Niagara Falls, Ontario L2E 6S5 Product Use: coating

WHMIS Hazard Class: Class B, Division 2, Class D, Division 2, Subdivision A

Section 2 - Hazardous Ingredients/Identity Information

Table with 3 columns: HAZARDOUS COMPONENTS: CHEMICAL IDENTITY, CAS Number:, AMOUNT: %
01 - Petroleum Distillates 64741-65-7 0.5 - 1.5
02 - Parachlorobenzotrifluoride 98-56-6 1 - 5
03 - Ethyl Benzene 100-41-4 0-1 - 100-41-4
04 - Xylenes 1330-20-7 0.1 - 1.0
05 - Methyl (N-Amyl) Ketone 110-43-0 10 - 30

Occupation Exposure Limits have been established for the following materials:

Table with 4 columns: TLV -TWA, TLV-STEL, PEL-TWA, PEL-STEL
01 - NOT ESTAB. NOT ESTAB. NOT ESTAB. NOT ESTAB.
02 - NOT ESTAB. NOT ESTAB. NOT ESTAB. NOT ESTAB.
02 - IPEL - TWA: 25 PPM IPEL - STEL: NOT ESTAB.
03 - 100 ppm 125 ppm 100 ppm 125 ppm
04 - 100 ppm 150 ppm 100 ppm 150 ppm
05 - 50 ppm NOT ESTAB. 25 ppm NOT ESTAB.

ACGIH TLB - BASIS - CRITICAL EFFECT

- 01- NOT ESTAB.
02- NOT ESTAB.

- 03- Irritation; CNS
- 04- Irritation
- 05- Irritation

TOXICOLOGICAL PROPERTIES

LD50 ORAL (RAT)	LD50 DERMAL (RABBIT)	LC50 INHALATION (RAT)
01 - N/A	N/A	N/A
02 - 13.0 g/kg	2.70 g/kg	33.08 mg/L 4 h
03 - 3.50 g/kg	17.8 g/kg	N/A
04 - 4.30 g/kg	N/A	N/A
05 - 1.67 g/kg	12.60 g/kg	N/A

ACUTE TOXICITY

- 01 - No Severe Hazards
- 02 - No Severe Hazards
- 03 - No Severe Hazards
- 04 - No Severe Hazards
- 05 - No Severe Hazards

CHRONIC TOXICITY

- 01 - Brain/Central Nervous system effects/Lung
- 02 - Brain/Central Nervous system effects/Lung/Kidney/Liver
- 03 - Carcinogen/Kidney/Liver/Lung/Brain/Central Nervous System Effects
- 04 - Embryotoxin/Brain/Central Nervous System effects/Lung
- 05 - Brain/Central Nervous System Effects/Lung

SECTION 3 - Physical/Chemical Characteristics

Boiling Point: 270 - 389 ° F	Specific Gravity: 1.036
Vapour Pressure (mmhg): 2.1	Vapour Density (air=1): heavier than air
Freezing Point:N/Av.	ph: not determined
Evaporation Rate: 33 (BuOAc = 100)	Solubility In Water: .7%
% Volatile/ Volumer: 39.960	% Solids by weight: 68

Appearance: liquid with an odour characteristic of the solvents listed in 2.

SECTION 4 - Fire and Explosion Hazard Data

Flash Point (deg C) and Method: 71 degrees F, 22 degrees C (Pensky Martin closed cup)

Flammable Limits/% Volume in Air: LEL: 1.1 UEL: N/a

Extinguishing Media: Use National Fire Protection Association Class B Extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class 1B flammable liquid fires.

Unusual Fire and Explosion Hazards: Keep this product away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electrical motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

Special Fire Fighting Procedures: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 5 - Reactivity Data

Stable: x Hazardous Polymerization: Will Not Occur

Incompatibility (Materials to Avoid): Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

Hazardous Decomposition Products: May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide, carbon dioxide, hydrofluoric acid, chlorinated products, hydrogen fluoride, fluorinated products, extreme heat includes but is not limited to flame cutting, brazing and welding.

SECTION 6 - Health Hazard Data

Effects Of Overexposure:

INGESTION: Harmful if swallowed

EYE CONTACT: Causes eye irritation

SKIN CONTACT: May cause slight skin irritation

INHALATION: Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. Prolonged exposure to an ingredient in this product may cause kidney and/or liver damage. Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Carcinogenicity was found in the kidneys of rats and the lung and liver of mice at the 750 ppm dose level. The no observed effect level (NOEL) was 75 ppm. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. High exposure to xylenes in some animal studies have been reported to caused health effects on the developing embryo and fetus. These effects were often at levels toxic to the mother.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness and swelling are conditions associated with excessive skin contact.

SECTION 7 - First Aid Measures

IMPORTANT FIRST AID INFORMATION: If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTRE, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

Ingestion: Gently wipe or rinse the inside of the mouth with water. Sips of water may be given. Never give anything by mouth to an unconscious person. Contact poison control center, emergency room or physician for treatment information.

Eyes: Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. If irritation persists contact a poison control center, emergency room or physician for treatment information.

Skin: run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist contact a poison control center, emergency room or physician for treatment information.

SECTION 8 - Control Measures

Respiratory Protection: Use NIOSH approved respirator for organic vapours.

Ventilation: Local and mechanical exhaust are recommended to minimize exposure

Protective Gloves: Impervious gloves should be worn when handling this material

Eye Protection: Splash proof chemical goggles

Other Protective Clothing/Material/Equipment: Barrier Cream

Work/Hygienic Practices: Wash thoroughly after handling

SECTION 9 - Precautions for Safe Handling and Use

Waste Disposal Method: In accordance with all Federal, Provincial, State and Local regulations

Handling and Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources

Spill and Leak Procedure: Avoid all personal contact. Take up with absorbent material. Flush area with water

Other Precautions: Avoid contact with eyes, skin or clothing.
Avoid breathing vapour, mist or spray

THE INFORMATION CONTAINED IN THIS FORM IS BASED ON DATA FROM SOURCES
CONSIDERED TO BE RELIABLE BUT NIAGARA PROTECTIVE COATINGS DOES NOT GUARANTEE
THE ACCURACY OR COMPLETENESS THEREOF. THE INFORMATION IS PROVIDED AS A SERVICE
TO PERSONS PURCHASING OR USING THE MATERIAL TO WHICH IT REFERS AND NIAGARA
PROTECTIVE COATINGS EXPRESSLY DISCLAIMS ALL LIABILITY FOR LOSS OR DAMAGE,
INCLUDING CONSEQUENTIAL LOSS, OR FOR INJURY TO PERSONS (INCLUDING DEATH)
ARISING DIRECTLY OR INDIRECTLY FROM RELIANCE UPON THE INFORMATION OR USE OF
THE MATERIAL.