

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: NIATHANE HS (PART B)

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 D, Division 2, Subdivision A, Class D, Division 2, Subdivision B

Section 2 - Hazardous Ingredients/Identity Information

Table with 3 columns: HAZARDOUS COMPONENTS: CHEMICAL IDENTITY, CAS Number, AMOUNT: %. Rows include Hexamethylene-Di-Isocyanate and Hexane-1, 6-Di-Isocyanate Polymer.

Occupation Exposure Limits have been established for the following materials:

Table with 4 columns: TLV -TWA, TLV-STEL, PEL-TWA, PEL-STEL. Rows show exposure limits for components 01 and 02.

ACGIH TLB - BASIS - CRITICAL EFFECT

- 01- Irritation; sensitization
02- NOT ESTAB.

TOXICOLOGICAL PROPERTIES

LD50 ORAL (RAT)	LD50 DERMAL (RABBIT)	LC50 INHALATION (RAT)
01 - .71 g/kg	.57 g/kg	.15 mg/L. 4 h
02 - n/a	n/a	n/a

ACUTE TOXICITY

01 - Toxic via dermal exposure/ toxic via inhalation/Skin sensitizer
02 - Skin Sensitizer/ eye irritant

CHRONIC TOXICITY

01 - Respiratory Sensitizer/Lung
02 - Respiratory Sensitizer

SECTION 3 - Physical/Chemical Characteristics

Boiling Point: n/a	Specific Gravity: 1.171
Vapour Pressure (mmhg): n/a	Vapour Density (air=1): heavier than air
Freezing Point:N/Av.	ph: not determined
Evaporation Rate: 0 (BuOAc = 100)	Solubility In Water: 0
% Volatile/ Volume: 0	% Solids by weight: 100

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: 331 degrees F, 166 degrees C (Pensky Martin closed cup)

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

Extinguishing Media: Use extinguishers appropriate for surrounding fire.

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 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 moderate skin irritation. Prolonged or repeated contact may cause an allergic reaction.

INHALATION: Vapor irritates eyes, nose and throat. May cause irritation and/or allergic reaction in lungs. Do not use if you have chronic (long-term) lung or breathing problems, or if you have ever had a reaction to isocyanates.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. Prolonged exposure to an ingredient in this product may cause lung sensitivity leading to pneumonitis. This product contains isocyanates. Inhalation may cause a burning sensation in the nose, throat and lungs. Prolonged inhalation may

cause lung damage and/or allergic respiratory reaction. Allergic respiratory reactions to isocyanates are characterized by asthma-like symptoms such as chest tightness, wheezing, shortness of breath and coughing. These symptoms may follow repeated exposure or a single massive exposure and may be delayed. Chronic overexposure to isocyanates has been reported to cause lung damage, including decrease in lung function, which may be permanent.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: 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

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