



Material Safety Data Sheet

Product: Syntho-Plug™

MSDS Date: 6/4/2010
Product Name: Syntho-Plug™
Manufacturer: NRI

I. Product and Company Description

Neptune Research, Inc.
1346 S. Killian Drive
Lake Park, FL 33403

Emergency Phone Number:
800-535-5053

For Product Information:
(561) 683-6992

Product Description:
Polyurethane foam pre-impregnated with a resin

Product Use:
Leak containment

Chemical Name or Synonym:
NA

Molecular Formula:
NA

II. Chemical Composition

Component	CAS#	%Composition
Polyurethane Foam	NA	>10
Adhesive Resin consisting of: Synthetic Urethane Polymer Diphenylmethane Diisocyanate (MDI)	59676-67-1 26447-40-5	Proprietary

Material Safety Data Sheet

Product: Syntho-Plug™

III. Hazards Identification

A. Emergency Overview:

Physical Appearance and Odor:

Polyurethane foam pre-impregnated with a resin

B. Potential Health Effects:

Acute Eye:

Contact with eyes causes irritation.

Acute Skin:

Contact with skin causes irritation and redness.

Acute Inhalation:

No exposure effects anticipated under normal work conditions.

Acute ingestion:

No exposure effects anticipated under normal work conditions. May cause gastrointestinal irritation if swallowed.

Chronic effects:

None

Medical Conditions Aggravated by Exposure:

Not Determined.

IV. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:

Hold lids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.

Skin Exposure:

Remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15 minutes. Use soap if available or follow by washing with soap and water. Do not reuse clothing until thoroughly cleaned. Get medical attention.

Inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.



Material Safety Data Sheet

Product: Syntho-Plug™

Ingestion:

Do not induce vomiting. Give one glass of water unless victim is drowsy, convulsing, or unconscious. Seek medical attention.

Notes to Physician:

None

V. Fire Fighting Measures

Fire Hazard Data:

Flash Point: NA

Flammability Limits (vol/vol%): Lower: ND Upper: ND

Extinguishing Media:

CO₂, extinguishing powder or water spray. Use fire fighting measures that suit the environment.

Special Fire Fighting Procedures:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves, and rubber boots) including a positive pressure NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

None

Hazardous Decomposition Materials (Under Fire Conditions):

Carbon oxides and other potentially hazardous compounds may be released upon combustion.

VI. Accidental Release Measures

Cleanup and Disposal of Spill:

Pick up material and dispose of according to the applicable Federal, State, or local regulations. Do not allow to enter sewers/surface or ground water.

VII. Handling and Storage

Handling:

Avoid contact with skin or eyes. Wash thoroughly after use and before work breaks.

Storage:

Keep in cool, dry, ventilated storage and in closed containers.



Material Safety Data Sheet

Product: Syntho-Plug™

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Not Applicable

Engineering Controls:

Not Applicable.

Respiratory Protection:

None normally required. In case of inadequate ventilation use NIOSH-approved respirator.

Eye / Face Protection:

None required under anticipated use conditions.

Skin Protection:

Wear chemical resistant gloves when handling the product.

IX. Physical and Chemical Properties

Physical Appearance: Polyurethane foam

Odor: None

Boiling Point: ND

pH: ND

Specific Gravity: >2

Water Solubility: Not miscible

Melting Point Range: NA

Vapor Pressure: ND

Percent Volatiles by Volume: Negligible

X. Stability and Reactivity

Chemical Stability:

Stable under standard use and storage conditions.

Conditions to Avoid:

Elevated temperatures

Materials / Chemicals to be Avoided:



Material Safety Data Sheet

Product: Syntho-Plug™

Organic solvents such as kerosene

Hazardous Decomposition Products:

Oxides of carbon and other unknown hydrocarbons.

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information

Acute Effects:

Not determined

Acute Eye Irritation:

Contact with eyes causes irritation.

Acute Skin Irritation:

Contact with skin causes irritation and redness.

Acute Dermal Toxicity:

Not Determined

Acute Respiratory Irritation:

No exposure effects anticipated under normal work conditions.

Acute Ingestion Toxicity:

No hazard in normal industrial use. May cause gastrointestinal irritation if swallowed.

Acute Inhalation Toxicity:

No exposure effects anticipated under normal work conditions.

Chronic Toxicity:

Not Determined

XII. Ecological Information

Ecotoxicological Information:

Not Determined

Chemical Fate Information:

Not Determined



Material Safety Data Sheet

Product: Syntho-Plug™

XIII. Disposal Considerations

Waste Disposal Method:

Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with federal, state, and local regulations.

XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated
	Label Statement	Not Regulated

XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard:	NO
Reactive Hazard:	NO
Release of Pressure:	NO
Acute Health Hazard:	NO
Chronic Health Hazard:	NO

Other Federal Regulations:

State Regulations:

None

Canada Regulations:

Classification: Not Classified

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

XVI. Other Information



Material Safety Data Sheet

Product: Syntho-Plug™

National Fire Protection Association Hazard Ratings – NFPA(R):

Health Hazard:	0
Flammability:	0
Reactivity:	0

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. Neptune Research Inc. makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Neptune Research Inc. assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.